DAIKIN

Your business our concern

SEASONAL EFFICIENCY
Smart use of energy

SKY AIR PRODUCT RANGE
COMMERCIAL CATALOGUE

Sky Air

About Daikin

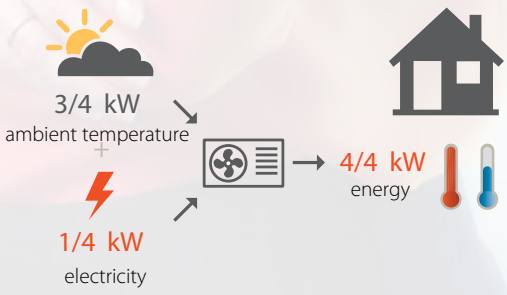
Daikin has a worldwide reputation based on nearly 90 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use and 55 years as a leader in heat pump technology.

Daikin quality

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

Heat pump technology

Air to air heat pumps obtain 75% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible*. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass).



* EU objective COM (2008)/30

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Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been designed for optimum seasonal energy efficiency. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

Heating and cooling

Using highly **efficient heat pumps**, Sky Air solutions offer year round comfort:

- All systems now optimised for seasonal energy efficiency.
- An outdoor unit can power several indoor units.
  - For a long or irregularly shaped room you can use up to four indoor units linked to a single outdoor unit. All the indoor units are controlled at the same time.
  - Air conditioning is available in every room: a multi system allows up to nine different indoor units to operate from a single outdoor unit. All the indoor units can be individually controlled and do not need to be installed at the same time. Extra units can be added later.
- Select from a wide range of indoor units: wall and floor mounted, concealed or ceiling mounted.
- Very quiet and draught-free operation.
- Ideal for both new build and refurbishment projects.

Biddle air curtains for entrances

Biddle air curtains can be used with the Sky Air system to provide heating at building entrances:

- Ideal for buildings with open-door policy such as retail stores.
- Year round climate control and comfort even on the most demanding days.

User-friendly controls

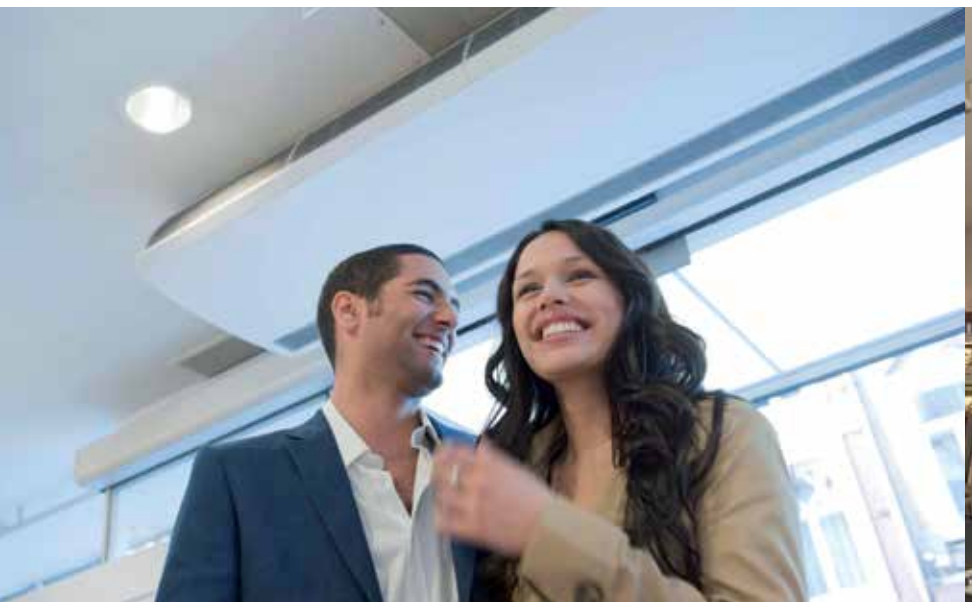
Our **user friendly controls** allows you to manage your Sky Air system for maximum efficiency:

- From individualised unit control to centralised management via touch-screen options and code based controllers, we put you in command at all times.
- The wired remote controller gives full access to the unit's functions and energy saving features, including flexible scheduling for different seasons and the possibility to indicate kWh usage (round flow cassette).
- The DIII-net connection is standard, allowing you to link into the wider building management system.
- Text based remote control and monitoring of the entire building is available via the internet.

Ventilation

Daikin's **ventilation** option provides a supply of fresh air to help create a healthy and high-quality indoor environment:

- Heat is reclaimed between outdoor and indoor air.
- The fresh air from the ventilation provides additional cooling virtually free.
- Optimum humidity control.



Sky Air the solution for the light commercial sector

Sky Air for retailers

- Creates an inviting atmosphere for your customers
- Discreet with limited visual and operating impact
- Reduces energy usage and costs
- Worry-free installation

Our **round flow cassettes** blend with your décor as they are **integrated in the ceiling** with only the standard panel visible. This standard panel is the secret to **increasing comfort levels** and providing the **perfect climate conditions** for your customers as the various flaps can be individually opened and closed to ensure that the heating and cooling are directed to where they are needed.
The panel is also the secret to reducing maintenance as it can conceal the **auto cleaning function** that traps dust with a special filter that cleans itself once a day, while the collected dust can be easily removed with a vacuum cleaner. Up to 50% energy can be saved!
Managing this system couldn't be easier as our intelligent touch manager enables you to **monitor and control** the system directly or via the Internet. It can also be set to provide easy management of your electricity consumption and can even control the lighting, while enhanced scheduling will make your life easier.

Sky Air for offices and banks

- Design and genius in one.
- Unique design in the market: integrates fully flat into the ceiling.
- Optional presence and floor sensors improve comfort and efficiency.

The **fully flat cassette** is unique in the market thanks to its remarkable blend of iconic **design and engineering excellence**.
Blending seamlessly with the décor of a modern office and meeting the demanding criteria of architects, the fully flat cassette totally integrates within a standard European ceiling panel, enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.
These units are ideal for heating or cooling smaller areas such as meeting rooms, together with our round flow cassettes. Both can be combined with presence and floor sensors and even with our ventilation option, to optimise the energy efficiency and provide perfect comfort.
The **presence sensor** adjusts the set point or switches the unit off when there is nobody in the room but when someone is there, the air-flow is directed away from that person to avoid draught. This combined process has been found to reduce energy usage.
The **floor sensor** detects the average temperature near the floor and ensures an even temperature distribution between ceiling and floor. Cold feet become history!
Daikin's **ventilation** option provides a supply of fresh air to help create a healthy and high-quality indoor environment.
Using the KNX interface to connect your Sky Air system to the **building management** system allows central monitoring and control of several devices, including lights, shutters, and climate control systems as to maximize energy efficiency.

Sky Air for server rooms

- Continuous cooling operation.
  - Automatic rotation between active units.
  - Backup outdoor unit ensures continuous operation.
  - Possible to block certain settings.
- Quality products.

Servers, especially racks of servers, generate a great deal of heat and this needs to be removed through **continuous cooling and humidity control**. This presents special challenges that the Sky Air system easily meets with its special server room configuration. Each server room is fitted with two indoor units each connected to a single outdoor unit to ensure that if one outdoor unit fails, the other is there as an **automatic back up**. The indoor units are configured for constant cooling and duty rotation. This is achieved through **automatic switching between units** after certain period of use to ensure that at any time one unit is working while the other is available for maintenance.
Given the critical importance of continuous cooling for server rooms, the system is managed via an RTD-NET controller that can monitor and control up to 16 indoor units either directly or via the building management system and has a **'control of duty'** unit that locks the server room settings so that they cannot be changed by people in the server room.

Sky Air for restaurants

- Ensures an even temperature distribution to create the perfect dining environment.
- Highly energy efficient.
- Uses intelligent control systems operated from one central location.

Nothing should distract diners from enjoying the **perfect ambience** and that ambience includes the **optimal temperature**. That's exactly what Daikin's concealed ceiling units deliver through whisper-quiet operation and improved comfort from the 3-step air flow control and these turn your restaurant into a comfortable, welcoming environment for your customers. And with the **centralised control** and easy scheduling for the entire restaurant system, **energy use** is minimised to control your running costs.

Advantages for building owners

- Your climate control system will meet legal requirements well beyond the current legislation.
- You will obtain optimal seasonal performance thus save on running costs, obtain rapid return on investment and contribute to ecological protection objectives.
- The climate control system will add value to the building thus protecting your investment.
- Advanced controls and monitoring features allow the delivery of optimal comfort levels with the minimum of cost.

Benefits for installers

- Provide an easy transition from existing units to the technologically advanced units that offer far higher energy efficiency solutions.
- Modular designs and factory fitted extras make installation easier to achieve.
- Provide much more than just an installation service: special settings available for installers to improve system comfort and reliability.
- Sky Air range: a solution that meets all your customer's needs, from high specifications, tailor-made solutions to basic cooling and heating.

Benefits for consultant and design offices

- You will have the confidence of knowing that you can recommend the right climate control systems to meet tomorrow's legislation.
- You will have systems that are designed to blend into any décor and provide optimal performance with top seasonal efficiencies.
- Our systems allow flexibility for you by having access to innovative technology and a wide range of products.
- Your credentials as an eco-conscious consultant and designer will be enhanced.
- Our tools allow you to maximize building performance.

Products in the spotlight:

Seasonal Smart 10

Seasonal Classic 10

Fully flat cassette 12

Round flow cassette 14

Seasonal Smart and Seasonal Classic

Daikin offers a **complete light commercial** range, optimised to achieve top efficiency!

		FCQG / FCQHG	FFQ	FHQ	FBQ	FDQ	FAQ	FVQ	FUQ
RZQG Seasonal Smart		✓	✓	✓	✓	✓	✓	✓	✓
RZQSG Seasonal Classic		✓	✓	✓	✓	✓	✓	✓	

Seasonal Smart

- Enhancement in efficiency and comfort thanks to selectable and variable refrigerant temperatures.
- Suits computer room applications (EDP).
- R-22/R-407C Replacement technology has been incorporated: replacement solutions deliver major energy savings, offering rapid payback and a cost-effective upgrade solution, phased for minimal downtime.
- Guarantees operation in heating mode down to -20°C.
- A 75m pipe run to achieve longer runs for installation.
- Compatibility with D-BACS – links your unit into the wider building management system.

Seasonal Classic

- R-22/R-407C Replacement technology has been incorporated: replacement solutions deliver major energy savings, offering rapid payback and a cost-effective upgrade solution, phased for minimal downtime.
- Guarantees operation in heating mode down to -15°C.
- A 50m pipe run to achieve longer runs for installation.

Air conditioning with smart use – User friendly remote controller BRC1E52A/B

A series of energy saving functions that can be individually selected

- Temperature range limit.
- Setback function.
- Presence & floor sensor settings (available on fully flat cassette & round flow cassette).
- Setting temperature auto reset.
- Off timer.
- kWh indication (round flow cassette).
- 3 weekly timers.

Night quiet mode function

Night quiet function: max. -5 dB(A)

During night time, sound level of the outdoor unit can be reduced for a certain period by limiting the maximum compressor frequency and fan speed: starting time and ending time can be set. The night quiet function can be enabled according to end-user preferences via 2 different modes:

Mode 1: automatic mode

- Set via the remote control.
- Time of maximum temperature is memorized.
- The low operating mode will become active 8 hours* after the peak temperature in daytime and operation will return to normal after 10 hours of low noise operation*.

Mode 2: customized mode

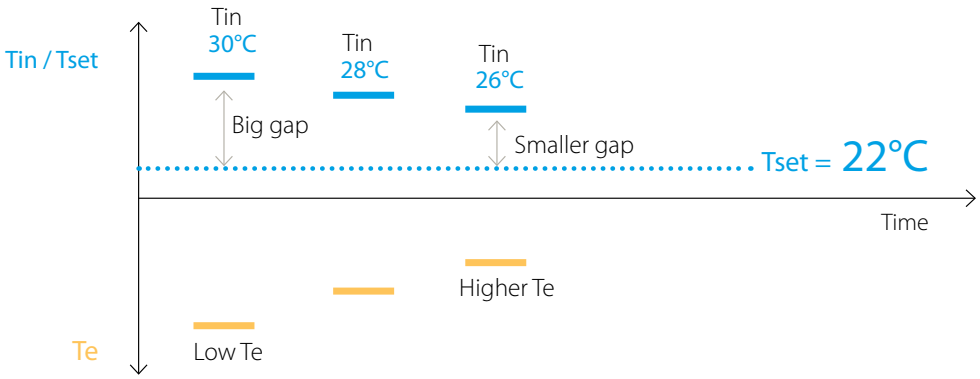
- Starting and ending times can be set by using an external timer control (optional adapter KRP58M51.
- Field supplied timer switch required for RZQ(S)G71-140).

* Notes: For factory settings: please refer to the service manual of these units or contact your local dealer.

Variable Refrigerant Temperature

Did you know that all Daikin Sky Air systems operate with variable refrigerant temperature?

In cooling mode for example the system will automatically increase its evaporating temperature (Te) and consequently discharge temperature if the gap between the achieved indoor temperature (Tin) and the request indoor temperature (Tset) becomes smaller. This reduces the risk of cold draft and hence increases the customer comfort.



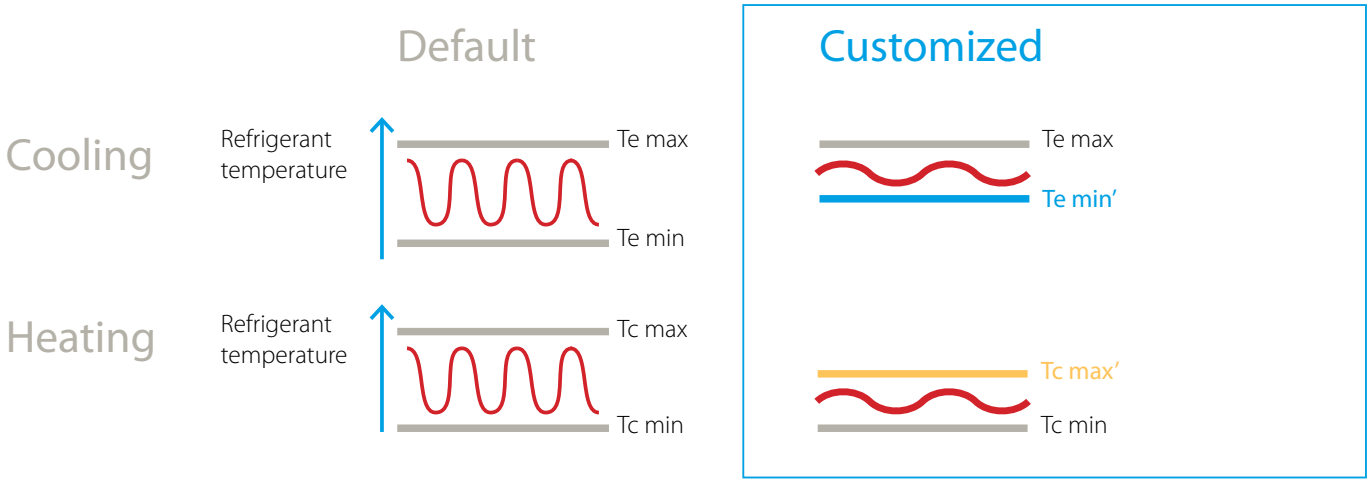
Seasonal Smart

UNIQUE!

Seasonal Smart even adopts a special setting to further improve comfort & efficiency by offering the possibility to customize the boundaries of the evaporating (Te) or condensing (Tc) temperature limits. The perfect solution for those people looking for an even more comfortable indoor air climate & an even further reduction of their energy bill.

Variable Refrigerant Temperature

✓ Improved comfort
✓ Reduced energy bill



Fully Flat Cassette: Design & Genius in one

Unique in the market, the fully flat cassette is a remarkable blend of iconic design and engineering excellence with an elegant white or a silver and white finish. Fitting flush within the ceiling modules and fully flat with the ceiling itself, the cassette is both stylish and unobtrusive. Superb efficiency and comfort is delivered through the combined use of floor and presence sensors and, when necessary, the individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration.

Silver and white White

Fully integrated, fully discreet

The concept our designers had in mind was for an unobtrusive cassette that blends seamlessly with the décor of a modern office while meeting the demanding criteria of architects for total integration within a standard European ceiling panel, enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles. The result is the fully flat cassette with its near flush fit, 4-way air distribution and special sensors to ensure the delivery of perfect comfort. Available in white or white and grey, the fully flat cassette is the perfect blend of design and function.

Differentiated by excellence

Sensor-driven comfort

To ensure perfect comfort the fully flat cassette is fitted with two optional sensors linked to an advanced controller.

The **'presence' sensor** detects when there are people in the room and it adjusts the temperature to the previously selected 'set point' thus establishing the perfect working conditions. When the sensor establishes that the room is empty, it can switch off the cassette so that the user is not wasting money on unnecessary heating or cooling. The sensor also adapts the direction of the airflow depending of where people are situated in the room, ensuring every individual's comfort at any time.

Because hot air rises, the natural temperature distribution in a room is for it to be warmer near the ceiling and cooler near the floor. The cassette's **'floor' sensor** detects the temperature difference and re-directs the airflow to ensure that the temperature distribution is even: cold feet are history!

Flexible solution

The need for flexible usage of space often means that temporary or permanent barriers are erected leaving the cassette close to a wall or in a corner with the resulting imbalances in airflow. Our advanced technology anticipates this and we have made it possible to use the controller to individually control or block (use option sealing kit for 3- or 2-directional air discharge) flaps to restore optimal efficiency and to save on energy costs.

Silent comfort

The fully flat cassette is amongst the quietest units in the market.

Air quality

The quality of the air in the room is as important as the temperature and we have fitted advanced filters to remove dust particles to ensure the air is clean. In addition, a special programme allows the humidity levels to be reduced without variations in temperature. Fresh air intake for healthy living via optional kit (KDDQ44XA60).

Intuitive control

The fully flat cassette's advanced controller provides the user with absolute control over their work environment. From setting the desired temperature to directing the airflow, from delivering the right temperature whenever the room is in use to ensuring that cold feet are history, from reconfiguring airflow to monitoring performance, the advanced controller is simple and intuitive to use. The large display screen and on-screen instructions combined with clearly marked function buttons give users total control enabling them to quickly set their desired conditions and to focus on the job at hand.

Top efficiency year-round

As with all Daikin products, this cassette delivers exceptional seasonal efficiency while the presence sensor has been shown to reduce energy consumption by around 27%*.

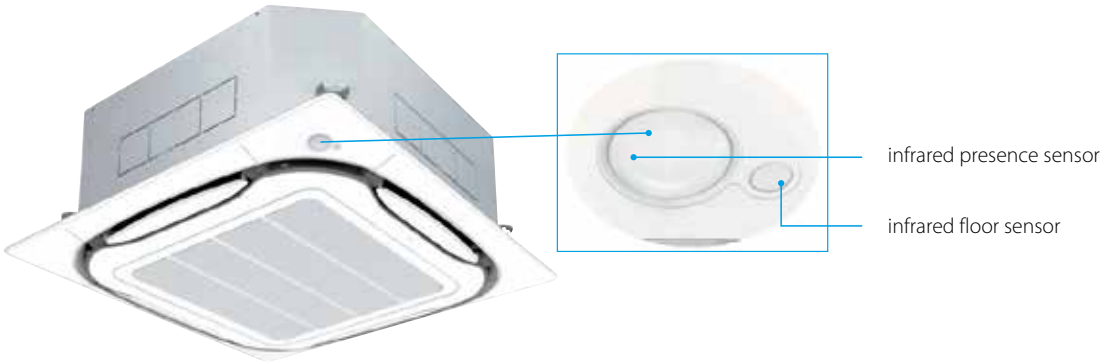
By using the controller to monitor performance and energy consumption, users can reduce their environmental impact while maintaining perfect working conditions.

*estimated

Round Flow Cassette : setting the standard for efficiency and comfort

The round flow cassettes FCQG and FCQHG-F series are designed for use in all forms and sizes of commercial offices and retail environments and provide you with a more energy efficient model.

ROUND FLOW

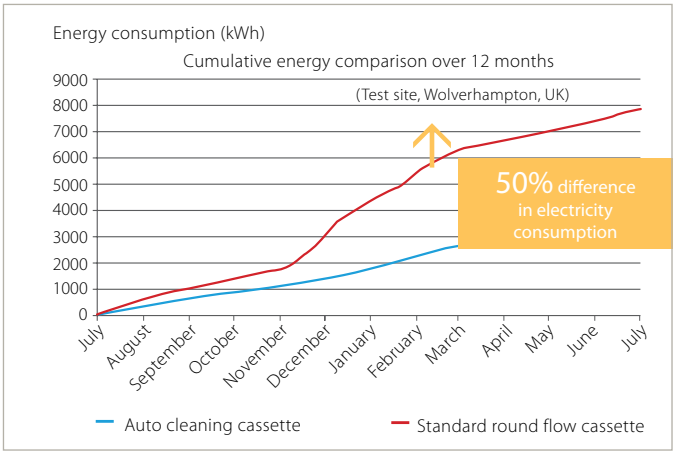


Even more energy efficient ….

UNIQUE!

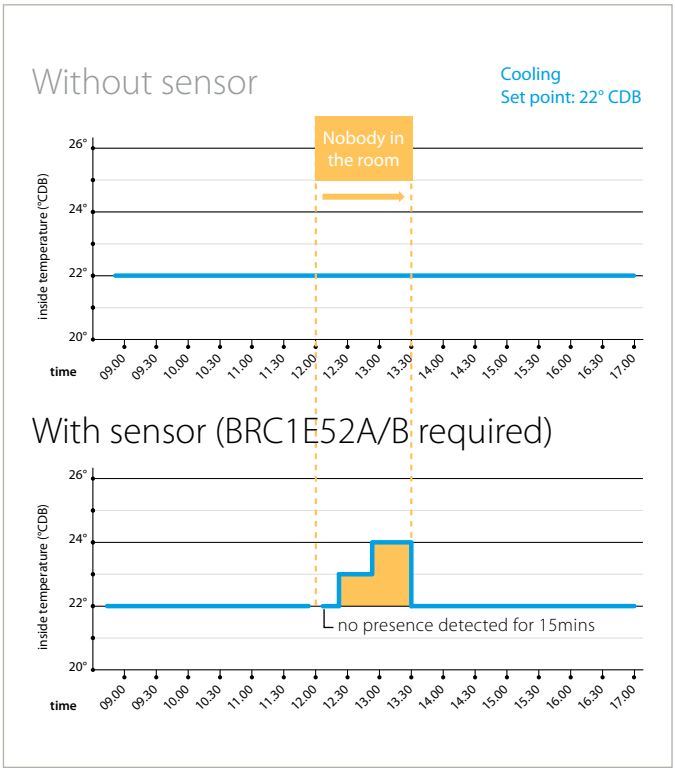
- Daikin was the first to launch an **auto cleaning Standard panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day.
  - Maintenance of the filter is facilitated and so less time is required.
  - Running costs are reduced compared to standard solutions: **up to 50% energy can be saved** thanks to daily filter cleaning (Wolverhampton, UK).

Auto-cleaning panel
saves up to 50%



- The optional **presence sensor** adjusts the temperature or switches off the unit when there is nobody in the room. Up to 27% energy can be saved with this new function.
  - If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached.
- Newly designed **heat exchanger** (diameter pipes are reduced to 5mm instead of 7mm), DC fan motor and DC drain pump enable even more energy to be saved.

Presence sensor
saves up to 27%*



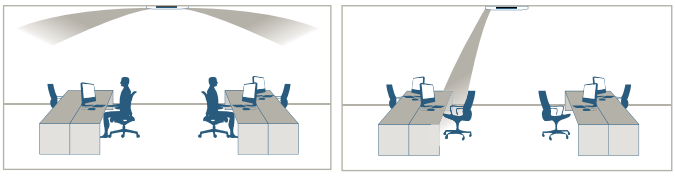
* estimated energy saving

… and improved comfort

- The unique **360° air flow** discharge pattern ensures a uniform temperature distribution across the room without dead corners.

The comfort can be further enhanced thanks to the optional sensors:

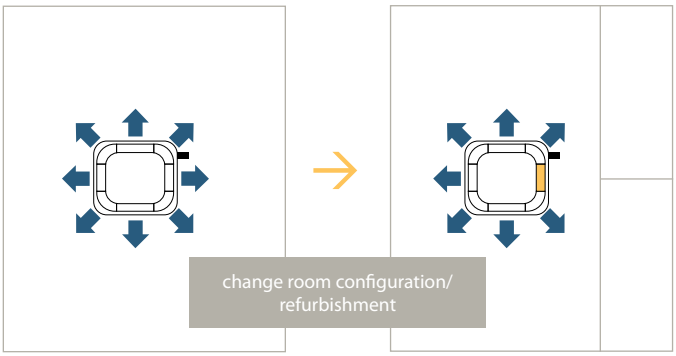
- The presence sensor allows air flow control. It directs the air away from any person detected in the room, when the air flow control is on.
- With the **floor sensor** having cold feet becomes history. This sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.



Flexible installation

The round flow cassette offers higher flexibility thanks to:

- The possibility of easily closing one flap via the wired remote controller (BRC1E52A/B - optional), to suit the room configuration. Optional closure kits are available as well.



Other features

- Standard DIII-net compatibility – link your cassette into the wider building management system.
- Fresh air intake possible (max. 20%).

Sky Air product range

Sky Air Product portfolio

Indoor units 18
Outdoor units 20
Biddle standard air curtain 20
Air handling units 20

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Pair application

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Concealed ceiling unit 32
Wall mounted unit 40
Ceiling suspended unit 42
4-Way blow ceiling suspended unit 46
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Twin, triple, double twin application

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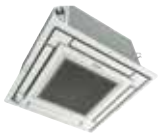
Seasonal Classic 52
Super Inverter 53

Multi model application

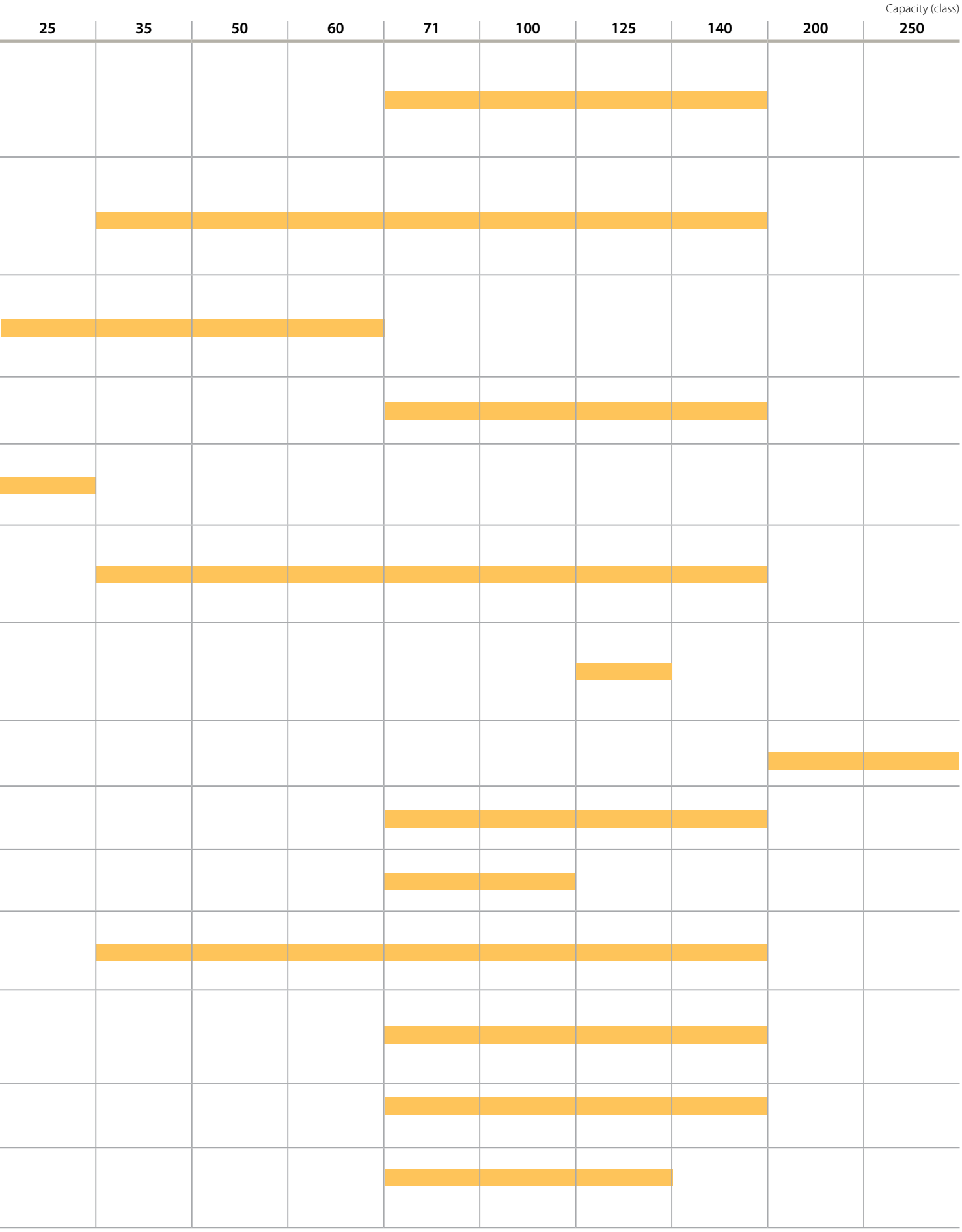
Multi outdoor units 54
VRVIII-S heat pump for residential application 55

Product portfolio

Indoor units

Type	Model	Product name	
Ceiling mounted cassette	**High COP, round flow cassette** • for shops, restaurants and offices requiring maximum floor space and perfect integration • 360° air discharge • auto-cleaning function[2] • presence and floor sensor[2] • ensures top performance ROUND FLOW	FCQHG-F	
	Round flow cassette • for shops, restaurants and offices requiring maximum floor space and perfect integration • 360° air discharge • auto-cleaning function[2] • presence and floor sensor[2] ROUND FLOW	FCQG-F	
	Fully flat cassette • for smaller spaces and offices requiring maximum floor space and perfect integration • design and genius in one • integrate fully flat into the ceiling and flush into ceiling tiles • presence and floor sensor[2]	FFQ-C	
	Siesta, 4-way blow ceiling mounted cassette • for shops requiring maximum floor space and perfect integration • solution for basic cooling and heating Siesta	ACQ-C	
Concealed ceiling	**Small concealed ceiling unit** • designed for hotel bedrooms • compact dimensions to be mounted in a ceiling void • drain pan can be located to the left or to the right	FDBQ-B	
	Concealed ceiling unit • for commercial spaces with no or narrow false ceilings • easy installation thanks to automatic air flow adjustment • reduced power consumption with DC inverter fans • ESP up to 120Pa	FBQ-C8 [1]	
	Concealed ceiling unit • for commercial spaces with no or narrow false ceilings • easy installation thanks to automatic air flow adjustment • reduced power consumption with DC inverter fans • ESP up to 200Pa	FDQ-C	
	Large concealed ceiling unit • for large commercial spaces with no or narrow false ceilings • ESP up to 250Pa	FDQ-B [1]	
	Siesta, concealed ceiling unit • for shops requiring maximum floor space and perfect integration • solution for basic cooling and heating Siesta	ABQ-C	
Wall mounted	**Wall mounted unit** • for commercial spaces with no or narrow false ceilings • 5 different air discharge angles	FAQ-C	
Ceiling suspended	**Ceiling suspended unit** • for commercial spaces with no or narrow false ceilings • comfortable air distribution in one direction • coanda effect: air discharge up to 100°	FHQ-C	
	4-way blow ceilling suspended unit • for commercial spaces with no or narrow false ceilings • comfortable air distribution in four directions • low energy consumption • improved comfort thanks to automatic air flow adjustment to required load	FUQ-C	
	Siesta, ceiling suspended cassette • for shops with narrow or no false ceiling • solution for basic cooling and heating Siesta	AHQ-C	
Floor standing	**Floor standing unit** • for commercial spaces with high ceilings • perfect comfort thanks to selection of vertical and horizontal out blow patterns • improved efficiency thanks to DC fan motor	FVQ-C	

1) Twin, triple, double twin application is only possible up to 125 class 2) Optional

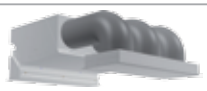

Capacity (class)
25
35
50
60
71
100
125
140
200
250

Product portfolio

Outdoor units Pair, twin, triple & double twin application

System	Type	Product name		
Air cooled	Heat pump	• for commercial applications and technical rooms • best efficiency! • most flexible installation • widest range of efficient and comfortable connectable indoor units • pair, twin, triple, double twin application	RZQG-L8/7V1	
			RZQG-L(8)Y1	
		• for commercial applications • good value for money • very efficient and comfortable indoor units • pair, twin, triple, double twin application	RZQSG-L3/L8V1	
			RZQSG-L(8)Y1	
		• for large commercial applications • pair, twin, triple, double twin application	RZQ-C	
		• for shop application • basic cooling/heating solution • pair application	AZQS-BV1	
			AZQS-BY1	

Biddle standard air curtain range

Type	Product name	
Biddle standard air curtain free hanging	CYQ S/M/L-DK-F easy wall installation	
Biddle standard air curtain cassette	CYQ S/M/L-DK-C mounted into a false ceiling leaving only the decoration panel visible	
Biddle standard air curtain recessed	CYQ S/M/L-DK-R neatly concealed in the ceiling	

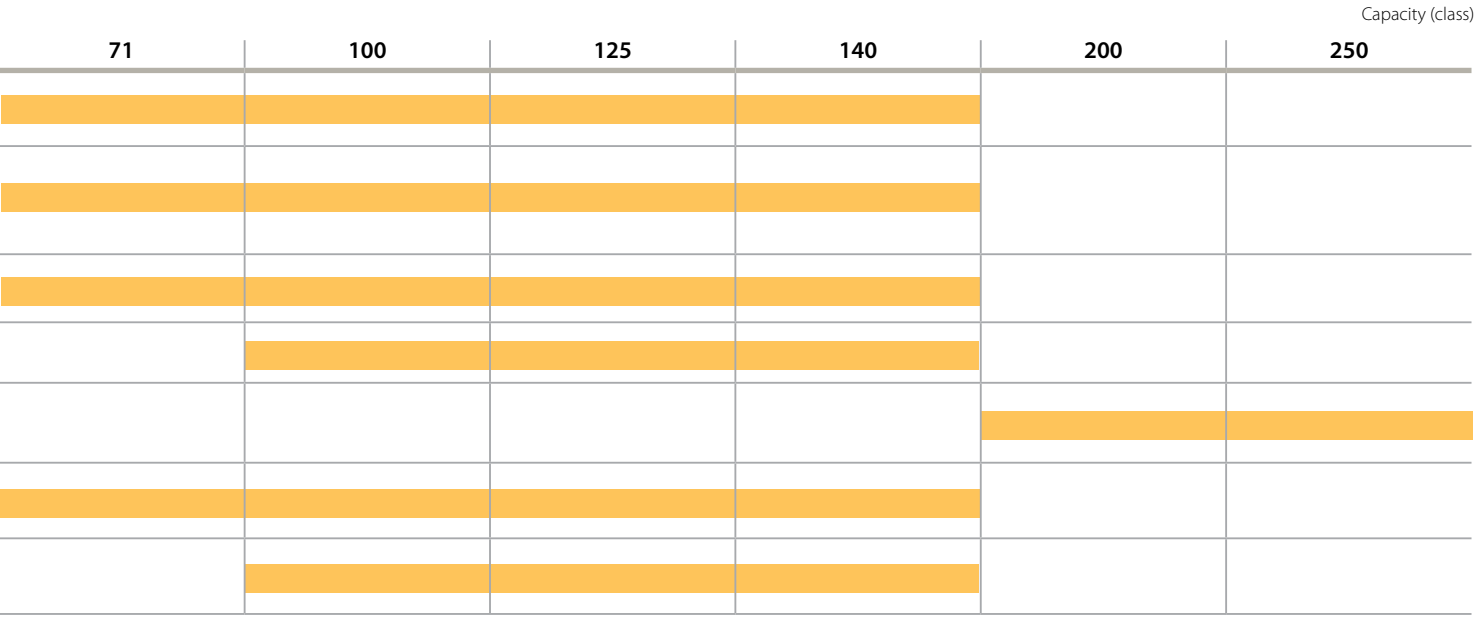
For connection with air handling units and biddle air curtain

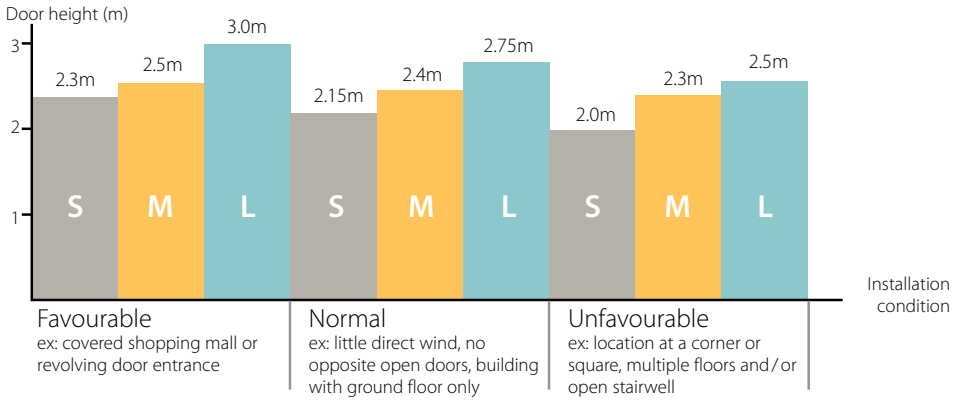
System	Type	Product name		
Air cooled	Heat pump	ERQ-AV1 [1] Condensing Units	• R-410A inverter condensing units • pair application with air handling units	
		ERQ-AW1 [1] Condensing Units		

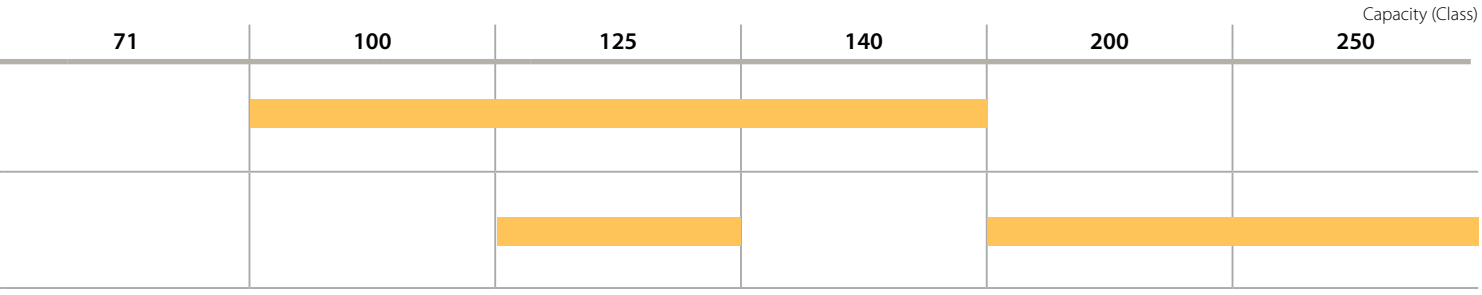
1) Only use the condensing units in combinations with an air handling unit.

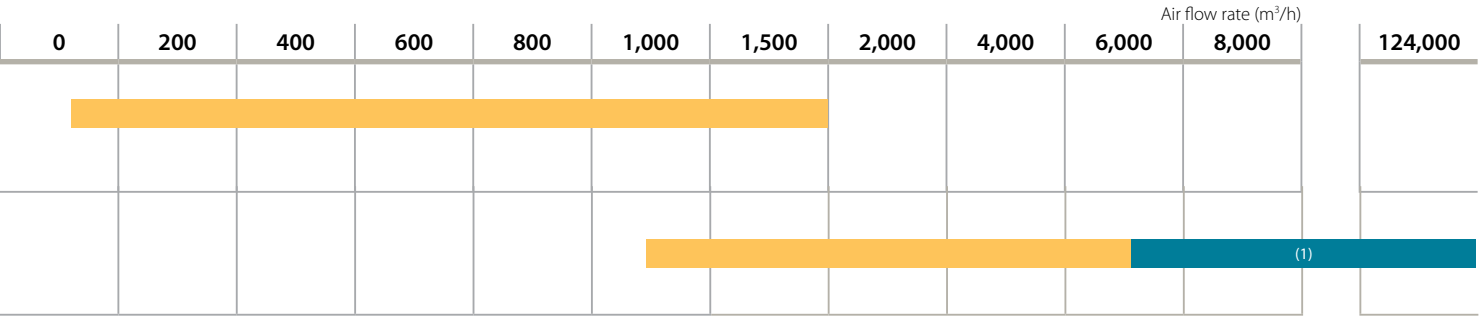
Type	Product name		
Heat Reclaim Ventilation	VAM-FA/FB	• for shops, restaurants and offices requiring maximum floor space and perfect integration • energy saving ventilation using indoor heating • free cooling possible	
Air handling units	DX fresh air package	• solution where building constraints occur • plug and play installation	

(1) Daikin AHU connected to Daikin chiller solution


Capacity (class)
71
100
125
140
200
250


Door height (m)
3
2
1
2.3m
2.5m
3.0m
2.15m
2.4m
2.75m
2.0m
2.3m
2.5m
S
M
L
S
M
L
S
M
L
Installation condition
Favourable
ex: covered shopping mall or revolving door entrance
Normal
ex: little direct wind, no opposite open doors, building with ground floor only
Unfavourable
ex: location at a corner or square, multiple floors and / or open stairwell


Capacity (Class)
71
100
125
140
200
250


Air flow rate (m³/h)
0
200
400
600
800
1,000
1,500
2,000
4,000
6,000
8,000
124,000
(1)

Benefits overview

We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.
	Inverter technology	In combination with inverter controlled outdoor units
	Home leave operation	During absence, the indoor temperature can be maintained at a certain level.
	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
	Auto cleaning filter	The filter automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow	Ceiling soiling prevention	A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Fan speed steps	Allows to select up to the given number of fan speed.
	Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer	Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
	Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
	Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
	Centralised control	Centralised control to start, stop and regulate several air conditioners from one central point.
Other funtions	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	Drain pump kit	Facilitates condensation draining from the indoor unit.
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.
	Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

For explanation on the benefits, see the end of this catalogue.

Ceiling mounted cassette				Concealed ceiling unit					Ceiling suspended unit		4-Way blow ceiling suspended unit	Wall mounted unit	Floor standing unit
FCQHG-F	FCQG-F	FFQ-C	ACQ-C	FDBQ-B	FBQ-C8	FDQ-C	FDQ-B	ABQ-C	FHQ-C	AHQ-C	FUQ-C	FAQ-C	FVQ-C
✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
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✓	✓	✓							✓		✓	✓	✓
3	3	3	4	2	3	3	2	3	3	3	3	3	3
✓	✓	✓									✓		
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optional	optional	optional	standard		optional				optional	standard	optional	optional	
optional	optional	optional	optional	optional	optional	optional	optional	standard	optional	optional	optional	optional	optional
optional	optional	optional			optional	optional	optional		optional		optional	optional	optional
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
standard	standard	standard	standard		standard	standard			optional		standard	optional	
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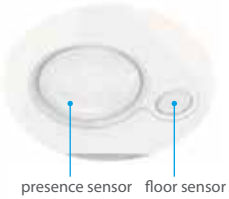
FCQG-F / RXS-L

FCQG35-60F



BRYQ140A

RXS-L

BRC1E52A/B (optional)

BRC7F532F (optional)

ROUND FLOW

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- **360° air discharge** ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers

UNIQUE!

- Daikin introduces first **auto cleaning cassette** to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
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- The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- **Individual flap control**: possibility to adapt the room layout by fixing the positon of each flap individually
- Fresh air intake: up to 20 %
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

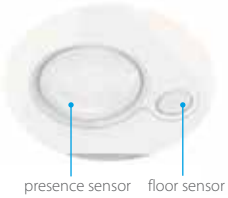
Indoor unit					**FCQG35F**	**FCQG50F**	**FCQG60F**
Cooling capacity	Min./Nom./Max.			kW	1.3/3.4/4.0	1.7/5.0/5.3	1.7/5.7/5.7
Heating capacity	Min./Nom./Max.			kW	1.3/4.20/5.2	1.7/6.00/6.0	1.7/7.0/7.0
Power input	Cooling	Min./Nom./Max.		kW	0.400/0.950/1.100	-/1.410/-	-/1.640/-
	Heating	Min./Nom./Max.		kW	0.230/1.200/1.840	-/1.620/-	-/1.990/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		
		Pdesign		kW	3.50	5.00	5.70
		SEER			6.35	6.48	6.22
		Annual energy consumption		kWh	193	270	321
	Heating (Average climate)	Energy label			A++		A+
		Pdesign		kW	3.32	4.36	4.71
		SCOP			4.90	4.29	4.00
		Annual energy consumption		kWh	949	1,426	1,646
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.55	3.48
	COP				3.50	3.7	3.52
	Annual energy consumption			kWh	475	705	820
	Energy label	Cooling/Heating			A/B	A/A	A/B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1		
	Colour				Pure White (RAL 9010)/		
	Dimensions	HeightxWidthxDepth		mm	60x950x950/950x60x950/145x950x950		
	Weight			kg	5.4/5.4/10.3		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Heating	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	High/Nom./Low		dBA	31/29/27		33/31/28
	Heating	High/Nom./Low		dBA	31/29/27		33/31/28
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.70	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					**RXS35L**	**RXS50L**	**RXS60L**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low		m^3/min	28.3/25.6	45.0/43.1	46.3/46
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	20	30	
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

FCQG-F / RZQG-L8/7V1/L(8)Y1

FCQG100-140F



BRYQ140A

RZQG100-140L8/7V1/L(8)Y1

BRC1E52A/B (optional)

BRC7FA532F (optional)

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Heating & Cooling

Seasonal Smart

Indoor unit					FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.01	2.45	3.22	4.17	2.01	2.45	3.22	4.17
	Heating	Nom.		kW	1.89	2.60	3.72	4.30	1.89	2.60	3.72	4.30
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	-	A++		A+	-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			6.80		6.00	-	6.80		6.00	-
		Annual energy consumption		kWh	350	488	700	-	350	488	700	-
	Heating (Average climate)	Energy label			A+	A++	A+	-	A+	A++	A+	-
		Pdesign		kW	6.33	11.30	12.66	-	6.33	11.30	12.66	-
		SCOP			4.20	4.61	4.10	-	4.20	4.61	4.10	-
		Annual energy consumption		kWh	2,110	3,431	4,322	-	2,110	3,431	4,322	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.39	3.87	3.73	3.21	3.39	3.87	3.73	3.21
	COP				3.97	4.15	3.63	3.61	3.97	4.15	3.63	3.61
	Annual energy consumption			kWh	1,005	1,225	1,610	2,085	1,005	1,225	1,610	2,085
	Energy label	Cooling/Heating			A/A							
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840			204x840x840	246x840x840		
Weight	Unit			kg	21	24			21	24		
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	60x950x950/950x60x950/145x950x950							
	Weight			kg	5.4/5.4/10.3							
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4	
	Heating	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4	
Sound power level	Cooling			dBA	51	54	58		51	54	58	
	Heating			dBA	51	54	58		51	54	58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29	
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit					RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

FCQG-F / RZQSG-L(3/8)V1/L(8)Y1

Heating & Cooling

Seasonal Classic

Indoor unit					FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.12	2.88	3.74	4.45	2.88	3.74	4.45
	Heating	Nom.		kW	2.08	3.05	3.96	4.54	3.05	3.96	4.54
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A	-	A++	A	-
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			6.10	6.50	5.30	-	6.50	5.30	-
		Annual energy consumption		kWh	390	511	792	-	511	792	-
	Heating (Average climate)	Energy label			A+			-	A+		-
		Pdesign		kW	6.33	7.60	8.03	-	7.60	8.03	-
		SCOP			4.10		4.01	-	4.10	4.01	-
		Annual energy consumption		kWh	2,162	2,595	2,803	-	2,595	2,803	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.30	3.21	3.01	3.30	3.21	3.01
	COP				3.61	3.54	3.41		3.54	3.41	
	Annual energy consumption			kWh	1,060	1,440	1,870	2,225	1,440	1,870	2,225
	Energy label	Cooling/Heating			A/A	A/B		B/B	A/B		B/B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	60x950x950/950x60x950/145x950x950						
	Weight			kg	5.4/5.4/10.3						
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4	26.0/19.2/12.4	
	Heating	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4	26.0/19.2/12.4	
Sound power level	Cooling			dBA	51	54	58		54	58	
	Heating			dBA	51	54	58		54	58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

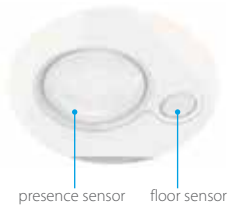
Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012, for use ouside EU only. The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

FCQHG-F / RZQG-L8/7V1/L(8)Y1

High COP, round flow cassette

FCQHG71-140F



BRYQ140A

RZQG100-140L8/7V1/L(8)Y1

BRC1E52A/B (optional)

BRC7FA532F (optional)

ROUND FLOW

- **High COP cassette ensures top energy performance**
- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- **360° air discharge** ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers

UNIQUE !

- Daikin introduces first **auto cleaning cassette** to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.

- The **presence sensor** (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- **Individual flap control**: possibility to adapt the room layout by fixing the positon of each flap individually
- Fresh air intake: up to 20 %
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					**FCQHG71F**	**FCQHG100F**	**FCQHG125F**	**FCQHG140F**	**FCQHG71F**	**FCQHG100F**	**FCQHG125F**	**FCQHG140F**
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	1.66	2.15	3.00	4.00	1.66	2.15	3.00	4.00
	Heating	Nom.		kW	1.56	2.16	3.07	3.77	1.56	2.16	3.07	3.77
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++			-	A++			-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			7.00		6.61	-	7.00		6.61	-
		Annual energy consumption		kWh	340	475	635	-	340	475	635	-
	Heating (Average climate)	Energy label			A+	A++		-	A+	A++		-
		Pdesign		kW	7.60	11.30	12.66	-	7.60	11.30	12.66	-
		SCOP			4.54	4.80	4.63	-	4.54	4.80	4.63	-
		Annual energy consumption		kWh	2,343	3,295	3,829	-	2,343	3,295	3,829	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.09	4.42	4.00	3.35	4.09	4.42	4.00	3.35
	COP				4.80	4.99	4.40	4.12	4.80	4.99	4.40	4.12
	Annual energy consumption			kWh	830	1,075	1,500	2,000	830	1,075	1,500	2,000
	Energy label	Cooling/Heating			A/A							
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25	26			25	26		
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	60x950x950 / 950x60x950 / 145x950x950							
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
	Heating	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
Sound power level	Cooling			dBA	53	61			53	61		
	Heating			dBA	53	61			53	61		
Sound pressure level	Cooling	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37
	Heating	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit					**RZQG71L8V1**	**RZQG100L8V1**	**RZQG125L8V1**	**RZQG140L7V1**	**RZQG71L8Y1**	**RZQG100L8Y1**	**RZQG125L8Y1**	**RZQG140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FCQHG-F / RZQSG-L(3/8)V1/L(8)Y1

Heating & Cooling

Seasonal Classic

Indoor unit					FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	1.94	2.57	3.71	4.17	2.57	3.71	4.17
	Heating	Nom.		kW	1.83	2.51	3.60	4.29	2.51	3.60	4.29
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A	-	A++	A	-
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			6.50	6.70	5.40	-	6.70	5.40	-
		Annual energy consumption		kWh	366	496	777	-	496	777	-
	Heating (Average climate)	Energy label			A+			-	A+		-
		Pdesign		kW	7.60	8.03		-	8.03		-
		SCOP			4.15	4.30	4.10	-	4.30	4.10	-
		Annual energy consumption		kWh	2,563	2,614	2,741	-	2,614	2,741	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.50	3.70	3.23	3.21	3.70	3.23	3.21
	COP				4.10	4.30	3.75	3.61	4.30	3.75	3.61
	Annual energy consumption			kWh	970	1,285	1,855	2,085	1,285	1,855	2,085
	Energy label	Cooling/Heating			A/A						
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840						
Weight	Unit			kg	25	26					
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	60x950x950/950x60x950/145x950x950						
	Weight			kg	5.4/5.4/10.3						
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
	Heating	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
Sound power level	Cooling			dBA	53	61					
	Heating			dBA	53	61					
Sound pressure level	Cooling	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
	Heating	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

FFQ-C / RXS-L

UNIQUE! Fully flat cassette

FFQ-C (white panel)

FFQ-C (silver and white panel)

RXS-L

BRC1E52A/B (optional)

BRC7F530W (optional)

SEASONAL EFFICIENCY
Smart use of energy

- **Unique design in the market: integrates fully flat into the ceiling** and fits flush into architectural ceiling modules
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- The **presence sensor** (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- **Individual flap control**: possibility to adapt the room layout by fixing the positon of each flap individually
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake for healthy living
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Indoor unit					**FFQ25C**	**FFQ35C**	**FFQ50C**	**FFQ60C**
Cooling capacity	Min./Nom./Max.			kW	1.4/2.50/4.0	1.4/3.4/4.0	1.7/5.0/5.3	1.7/5.7/6.5
Heating capacity	Min./Nom./Max.			kW	1.3/3.20/5.1	1.3/4.20/5.1	1.7/5.8/6.0	1.7/7.0/8.0
Power input	Cooling	Min./Nom./Max.		kW	0.360/0.560/1.470	0.360/0.920/1.470	-/1.560/-	-/1.890/-
	Heating	Min./Nom./Max.		kW	0.300/0.820/1.650	0.300/1.200/1.650	-/1.660/-	-/2.050/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	
		Pdesign		kW	2.50	3.40	5.00	5.70
		SEER			6.11	6.32	593.00	5.71
		Annual energy consumption		kWh	143	188	295	349
	Heating (Average climate)	Energy label			A+		A	A+
		Pdesign		kW	2.31	3.10	3.84	3.96
		SCOP			4.24	4.10	3.90	4.04
		Annual energy consumption		kWh	763	1,059	1,378	1,373
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.46	3.70	3.21	3.02
	COP				3.90	3.50	3.49	3.41
	Annual energy consumption			kWh	280	460	780	945
	Energy label	Cooling/Heating			A/A	A/B		B/B
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16		17.5	
Decoration panel	Model				BYFQ60CW/BYFQ60CS/BYFQ60B2			
	Colour				White (N9.5)/White (N9.5) + Silver/White (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620/620x46x620/55x700x700			
	Weight			kg	2.8/2.8/2.7			
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5
	Heating	High/Nom./Low		m^3/min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5
Sound power level	Cooling			dBA	48	51	56	60
Sound pressure level	Cooling	High/Nom./Low		dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32
	Heating	High/Nom./Low		dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

Outdoor unit					**RXS25L**	**RXS35L**	**RXS50L**	**RXS60L**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x825x300	
Weight	Unit			kg	34		47	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low		m^3/min	28.3/25.6		45.0/43.1	46.3/46
Sound power level	Cooling			dBA	59	61	62	
	Heating			dBA	59	61	62	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/-/43	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	47/-/44	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type/GWP				R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m	-	20	30	
	Level difference	IU - OU	Max.	m	-	15	20.0	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) Dimensions do not include control box

ACQ-C / AZQS-BV1/BY1 Siesta, 4-way blow ceiling mounted cassette

ACQ71C

AZQS71BV1

ARCWLA

- Ideal solution for **shops**, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Air can be discharged in **any of 4 directions**
- **Air filter** removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance
- **Control several indoor units at the same time** via the Siesta Sky Air group control (optional)
- Standard drain pump
- Fresh air intake: up to 20 %

Heating & Cooling

Indoor unit					ACQ71C	ACQ100C	ACQ125C	ACQ71C	ACQ100C	ACQ125C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.1/-	-/6.8/-	-/9.5/-	-/12.1/-
Heating capacity	Min./Nom./Max.			kW	-/7.50/-	-/10.80/-	-/13.5/-	-/7.50/-	-/10.8/-	-/13.5/-
Power input	Cooling	Nom.		kW	2.05	2.96	4.02	2.05	2.96	4.02
	Heating	Nom.		kW	2.08	2.99	3.96	2.08	2.99	3.96
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B			B		
		Pdesign		kW	6.80	9.50	-	6.80	9.50	-
		SEER			4.65		-	4.65		-
		Annual energy consumption		kWh	512	716	-	512	716	-
	Heating (Average climate)	Energy label			A		-	A		-
		Pdesign		kW	6.33	7.60	-	6.33	7.60	-
		SCOP			3.80		-	3.80		-
		Annual energy consumption		kWh	2,332	2,800	-	2,332	2,800	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.31	3.21	3.01	3.31	3.21	3.01
	COP				3.61		3.41	3.61		3.41
	Annual energy consumption			kWh	1,025	1,480	2,010	1,025	1,480	2,010
	Energy label	Cooling/Heating			B/A	A/A	B/B	B/A	A/A	B/B
Dimensions	Unit	HeightxWidthxDepth		mm	265x820x820	300x820x820		265x820x820	300x820x820	
Weight	Unit			kg	31	39		31	39	
Decoration panel	Colour				White					
	Dimensions	HeightxWidthxDepth		mm	82x990x990					
	Weight			kg	4					
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
	Heating	High/Nom./Low/Silent operation		m^3/min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
Sound power level	Cooling			dBA	54	57	60	54	57	60
	Heating			dBA	54	56	60	54	56	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/41	41/38/35/32	44/41/38/36	47/44/43/41
	Heating	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/41	41/38/35/32	44/41/38/36	47/44/43/41
Piping connections	Liquid	OD		mm	9.52					
	Gas	OD		mm	15.88					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

Outdoor unit					AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS100BY1	AZQS125BY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	67	81		82	
Fan - Air flow rate	Cooling	Nom.		m^3/min	52.0	76	77	76	77
	Heating	Nom.		m^3/min	48.0	83			
Sound power level	Cooling			dBA	65	70	71	70	71
Sound pressure level	Cooling	Nom./Silent operation		dBA	48/43	53/-	54/-	53/-	54/-
	Heating	Nom.		dBA	50	57	58	57	58
	Night quiet mode	Level 1		dBA	-	49			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	-5~46			
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5	-15~15.5			
Refrigerant	Type/GWP				R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	m	30	50			
		System	Equivalent	m	40	70			
	Level difference	IU - OU	Max.	m	15.0	30.0			
		IU - IU	Max.	m	-	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	-			

(1) EER/COP according to Eurovent 2012, for use outside EU only

FBQ-C8 / RZQG-L8/7V1/L(8)Y1

Concealed ceiling unit with inverter driven fan

FBQ100-140C8

RZQG100-140L8/7V1/L(8)Y1

BRC1E52A/B (optional) BRC4C65 (optional)

SEASONAL EFFICIENCY
Smart use of energy

- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to **DC inverter fans**
- Possibility to change ESP via wired remote control allows **optimisation of the supply air volume**
- Up to **120Pa external static pressure** facilitates using flexible ducts of variying lengths: ideal for shops and medium size offices
- **Whisper quiet** operation: down to 29dBA sound pressure level
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.
- The **air suction direction** can be altered from rear to bottom suction
- **Standard built-in drain pump** increases reliability of the drain system

Heating & Cooling

Seasonal Smart

Indoor unit					FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	1.94	2.44	3.15	4.02	1.94	2.44	3.15	4.02
	Heating	Nom.		kW	2.05	2.57	3.53	4.30	2.05	2.57	3.53	4.30
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+		-	A++	A+		-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			6.11	5.80	5.81	-	6.11	5.80	5.81	-
		Annual energy consumption		kWh	389	573	722	-	389	573	722	-
	Heating (Average climate)	Energy label			A+	A++	A+	-	A+	A++	A+	-
		Pdesign		kW	6.00	11.30	12.71	-	6.00	11.30	12.71	-
		SCOP			4.01	4.61	4.21	-	4.01	4.61	4.21	-
		Annual energy consumption		kWh	2,094	3,431	4,226	-	2,094	3,431	4,226	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.50	3.89	3.81	3.33	3.50	3.89	3.81	3.33
	COP				3.65	4.21	3.83	3.61	3.65	4.21	3.83	3.61
	Annual energy consumption			kWh	970	1,220	1,575	2,010	970	1,220	1,575	2,010
	Energy label	Cooling/Heating			A/A							
Casing	Colour				Not painted (galvanised)							
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700	300x1,400x700			300x1,000x700	300x1,400x700		
Required ceiling void >				mm	350							
Weight	Unit			kg	34	45			34	45		
Decoration panel	Model				BYBS71DJW1	BYBS125DJW1			BYBS71DJW1	BYBS125DJW1		
	Colour				White (10Y9/0.5)							
	Dimensions	HeightxWidthxDepth		mm	55x1,100x500	55x1,500x500			55x1,100x500	55x1,500x500		
	Weight			kg	4.5	6			4.5	6		
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/15	32/23	39/28		18/15	32/23	39/28	
	Heating	High/Low		m^3/min	18/15	32/23	39/28	41/29	18/15	32/23	39/28	41/29
Fan - External static pressure	High/Nom.			Pa	100/30	120/40	120/50		100/30	120/40	120/50	
Sound power level	Cooling			dBA	57	61	66		57	61	66	
Sound pressure level	Cooling	High/Low		dBA	37/29	38/32	40/33		37/29	38/32	40/33	
	Heating	High/Low		dBA	37/29	38/32	40/33	41/34	37/29	38/32	40/33	41/34
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit					RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FBQ-C8 / RZQSG-L(8)Y1/L(3/8)V1

Heating & Cooling

Seasonal Classic

Indoor unit					FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ100C8	FBQ125C8	FBQ140C8
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.07	2.87	3.74	4.44	2.87	3.74	4.44
	Heating	Nom.		kW	2.08	2.96	3.85	4.54	2.96	3.85	4.54
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+	A		-	A		-
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			5.81	5.50	5.20	-	5.50	5.20	-
		Annual energy consumption		kWh	410	604	807	-	604	807	-
	Heating (Average climate)	Energy label			A	A+	A	-	A+	A	-
		Pdesign		kW	6.00	7.60		-	7.60		-
		SCOP			3.88	4.01	3.90	-	4.01	3.90	-
		Annual energy consumption		kWh	2,166	2,653	2,728	-	2,653	2,728	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.28	3.31	3.21	3.02	3.31	3.21	3.02
	COP				3.61	3.65	3.51	3.41	3.65	3.51	3.41
	Annual energy consumption			kWh	1,035	1,435	1,870	2,220	1,435	1,870	2,220
	Energy label	Cooling/Heating			A/A		A/B	B/B	A/A	A/B	B/B
Casing	Colour				Not painted (galvanised)						
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700	300x1,400x700					
Required ceiling void >				mm	350						
Weight	Unit			kg	34	45					
Decoration panel	Model				BYBS71DJW1	BYBS125DJW1					
	Colour				White (10Y9/0.5)						
	Dimensions	HeightxWidthxDepth		mm	55x1,100x500	55x1,500x500					
	Weight			kg	4.5	6					
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/15	32/23	39/28		32/23	39/28	
	Heating	High/Low		m^3/min	18/15	32/23	39/28	41/29	32/23	39/28	41/29
Fan - External static pressure	High/Nom.			Pa	100/30	120/40	120/50		120/40	120/50	
Sound power level	Cooling			dBA	57	61	66		61	66	
Sound pressure level	Cooling	High/Low		dBA	37/29	38/32	40/33		38/32	40/33	
	Heating	High/Low		dBA	37/29	38/32	40/33	41/34	38/32	40/33	41/34
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220						

Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FBQ-C8 / RXS-L

Concealed ceiling unit with inverter driven fan

FBQ60C8

RXS-L

BRC1E52A/B (optional)

BRC7F530W (optional)

SEASONAL EFFICIENCY
Smart use of energy

- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to **DC inverter fans**
- Possibility to change ESP via wired remote control allows **optimisation of the supply air volume**
- Up to **120Pa external static pressure** facilitates using flexible ducts of variying lengths: ideal for shops and medium size offices
- **Whisper quiet** operation: down to 29dBA sound pressure level
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.
- The **air suction direction** can be altered from rear to bottom suction
- **Standard built-in drain pump** increases reliability of the drain system

Heating & Cooling

Indoor unit					FBQ35C8	FBQ50C8	FBQ60C8
Cooling capacity	Min./Nom./Max.			kW	1.4/3.40/3.9	1.7/5.0/5.3	1.7/5.7/6.5
Heating capacity	Min./Nom./Max.			kW	1.3/4.00/5.0	1.7/5.5/6.0	1.7/7.0/8.0
Power input	Cooling	Min./Nom./Max.		kW	0.490/1.060/1.490	-/1.650/-	-/1.750/-
	Heating	Min./Nom./Max.		kW	0.270/1.110/1.760	-/1.610/-	-/2.050/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		
		Pdesign		kW	3.50	4.90	5.70
		SEER			5.97	5.85	5.72
		Annual energy consumption		kWh	205	293	349
	Heating (Average climate)	Energy label			A+	A	
		Pdesign		kW	2.90	4.35	4.60
		SCOP			3.93	3.85	3.80
		Annual energy consumption		kWh	1,033	1,584	1,693
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.03	3.26
	COP				3.60	3.42	3.41
	Annual energy consumption			kWh	530	825	875
	Energy label	Cooling/Heating			A/A	B/B	A/B
Casing	Colour				Not painted (galvanised)		
Dimensions	Unit	HeightxWidthxDepth		mm	300x700x700		300x1,000x700
Required ceiling void >				mm	350		
Weight	Unit			kg	25		34
Decoration panel	Model				BYBS45DJW1		BYBS71DJW1
	Colour				White (10Y9/0.5)		
	Dimensions	HeightxWidthxDepth		mm	55x800x500		55x1,100x500
	Weight			kg	3		4.5
Fan - Air flow rate	Cooling	High/Low		m^3/min	16/11		18/15
	Heating	High/Low		m^3/min	16/11		18/15
Fan - External static pressure	High/Nom.			Pa	100/30		
Sound power level	Cooling			dBA	63		57
Sound pressure level	Cooling	High/Low		dBA	37/29		
	Heating	High/Low		dBA	37/29		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit					RXS35L	RXS50L	RXS60L
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low		m^3/min	28.3/25.6	45.0/43.1	46.3/46
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	20	30	
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FDBQ-B

FDBQ25B

BRC1E52A/B
(optional)

SEASONAL EFFICIENCY
Smart use of energy

- Designed for **hotel bedrooms**
- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- **Compact dimensions** (230mm high & 652mm deep), can easily be mounted in a ceiling void
- **Whisper quiet** operation: down to 28dBA sound pressure level
- The **air suction direction** can be altered from rear to bottom suction
- For easy mounting, the **drain pan** can be located to the left or right of the unit

Heating & Cooling

Indoor unit					**FDBQ25B**
Cooling capacity	Nom.			kW	-
Power input	Cooling	Nom.		kW	-
	Heating	Nom.		kW	-
Dimensions	Unit	HeightxWidthxDepth		mm	230x652x502
Weight	Unit			kg	17,0
Fan - Air flow rate	Cooling	High/Low		m^3/min	6,50/5,20
	Heating	High/Low		m^3/min	6,95/5,20
Sound power level	Cooling			dBA	55
	Heating			dBA	55
Sound pressure level	Cooling	High/Low		dBA	35,0/28,0
	Heating	High/Low		dBA	35,0/29,0
Piping connections	Liquid	OD		mm	6,35
	Gas	OD		mm	9,52
	Drain				27,2
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230

Outdoor unit					
Dimensions	Unit	HeightxWidthxDepth		mm	only available in multi model application
Weight	Unit			kg	
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	
	Heating	High/Low		m^3/min	
Sound power level	Cooling			dBA	
	Heating			dBA	
Sound pressure level	Cooling	Nom.		dBA	
	Heating	Nom.		dBA	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	
	Heating	Ambient	Min.~Max.	°CWB	
Refrigerant	Type/GWP				
Piping connections	Piping length	OU - IU	Max.	m	
	Level difference	IU - OU	Max.	m	
		IU - IU	Max.	m	
Power supply	Phase / Frequency / Voltage			Hz / V	
Current - 50Hz	Maximum fuse amps (MFA)			A	

FDQ-C / RZQG-L8/7V1/L(8)Y1, RZQSG-L(3/8)V1/L(8)Y1

FDQ125C

RZQG125L8V1/Y1

BRC1E52A/B
(optional)

SEASONAL EFFICIENCY
Smart use of energy

- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to **DC inverter fans**
- Improved comfort thanks to 3-step air flow control
- Up to **200Pa external static pressure** allows extensive ductwork runs and flexible application: ideal for use in large areas
- **Less duct calculations are needed**; moreover, the air flow can be adjusted during installation via the wired remote control (optional) instead of via channel adjustments
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.
- The **air suction direction** can be altered from rear to bottom suction
- **Standard drain pump** with 625mm lift

Heating & Cooling

Indoor unit					FDQ125C	FDQ125C	FDQ125C	FDQ125C
Cooling capacity	Min./Nom./Max.			kW	-/12.0/-			
Heating capacity	Min./Nom./Max.			kW	-/13.5/-			
Power input	Cooling	Nom.		kW	3.20		3.74	
	Heating	Nom.		kW	3.53		3.85	
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		A	
		Pdesign		kW	12.00			
		SEER			5.81		5.20	
		Annual energy consumption		kWh	722		807	
	Heating (Average climate)	Energy label			A+		A	
		Pdesign		kW	12.71		7.60	
		SCOP			4.21		3.90	
		Annual energy consumption		kWh	4,226		2,728	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.75		3.21	
	COP				3.83		3.51	
	Annual energy consumption			kWh	1,600		1,870	
	Energy label	Cooling/Heating			A/A		A/B	
Casing	Colour				Not painted (galvanised)			
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,400x700			
Required ceiling void >				mm	350			
Weight	Unit			kg	45			
Decoration panel	Model				BYBS125DJW1			
	Colour				White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth		mm	55x1,500x500			
	Weight			kg	6.5			
Fan - Air flow rate	Cooling	High/Low		m^3/min	39/28			
	Heating	High/Low		m^3/min	39/28			
Fan - External static pressure	High/Nom.			Pa	200/50			
Sound power level	Cooling			dBA	66			
Sound pressure level	Cooling	High/Low		dBA	40/33			
	Heating	High/Low		dBA	40/33			
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220			

Seasonal Smart — Seasonal Classic

Outdoor unit					RZQG125L8V1	RZQG125L8Y1	RZQSG125L8V1	RZQSG125L8Y1
Dimensions	Unit	HeightxWidthxDepth		mm	1,430x940x320		990x940x320	
Weight	Unit			kg	102	101	81	82
Fan - Air flow rate	Cooling	Nom.		m^3/min	70		77	
	Heating	Nom.		m^3/min	62		83	
Sound power level	Cooling			dBA	67		70	
Sound pressure level	Cooling	Nom./Silent operation		dBA	51/-		54/49	54/-
	Heating	Nom.		dBA	53		58	
	Night quiet mode	Level 1		dBA	45		-	49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50		-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5		-15~15.5	
Refrigerant	Type/GWP				R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m	75		50	
		System	Equivalent	m	90		70	
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3N~ / 50 / 380-415	1~ / 50 / 220-240	3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	32	20	32	20

(1) EER/COP according to Eurovent 2012 , for use outside EU only

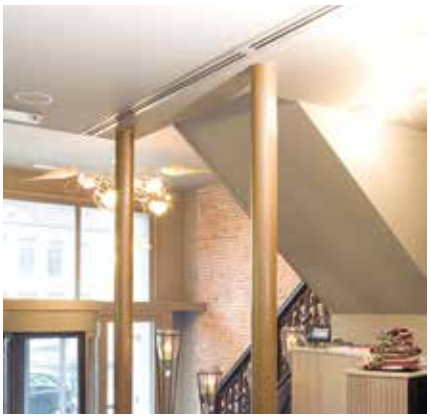
FDQ-B / RZQ-C

FDQ-B

RZQ-C

BRC1E52A/B
(optional)

- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- Up to **250Pa external static pressure** allows extensive ductwork runs and flexible application: ideal for use in large areas
- Up to 26.4kW in heating mode



Heating & Cooling

Super Inverter

Indoor unit				FDQ200B	FDQ250B
Cooling capacity	Min./Nom./Max.		kW	-/20.0/-	-/24.1/-
Heating capacity	Min./Nom./Max.		kW	-/23.0/-	-/26.4/-
Power input	Cooling	Nom.	kW	6.23	8.58
	Heating	Nom.	kW	6.74	8.22
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21	2.81
	COP			3.41	3.21
	Annual energy consumption		kWh	3,115	4,290
	Energy label	Cooling/Heating		-/-	
Casing	Colour			Unpainted	
Dimensions	Unit	HeightxWidthxDepth	mm	450x1,400x900	
Required ceiling void >			mm	450	
Weight	Unit		kg	89.0	94.0
Fan - Air flow rate	Cooling	Nom.	m^3/min	69.0	89.0
	Heating	Nom.	m^3/min	69.0	89.0
Fan - External static pressure	High/Nom./Low		Pa	250/250/250	
Sound power level	Cooling		dBA	81	82
Sound pressure level	Cooling	High	dBA	45.0	47.0
	Heating	Low	dBA	45.0	47.0
Piping connections	Liquid	OD	mm	9.52	12.7
	Gas	OD	mm	22.2	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230	

Outdoor unit					RZQ200C	RZQ250C
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183	184
Fan - Air flow rate	Cooling	Nom.		m^3/min	171	
	Heating	Nom.		m^3/min	171	
Fan - External static pressure	Max.			Pa	78	
Sound power level	Cooling			dBA	78	
	Heating			dBA	78	
Sound pressure level	Nom.			dBA	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/1,975	
Piping connections	Piping length	OU - IU	Max.	m	100	
	Level difference	IU - OU	Max.	m	-	
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

(1) EER/COP according to Eurovent 2012 , for use outside EU only

ABQ-C / AZQS-BV1/BY1

ABQ71C

AZQS71BV1

ARCW8
(standard)

- Ideal solution for **shops**, requiring maximum floor space for furniture, decorations and fittings
- **Blends unobtrusively** with any interior décor: only the suction and discharge grilles are visible
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance
- **Double-protection drainage system:** primary and secondary drain pan

Heating & Cooling

Indoor unit				ABQ71C	ABQ100C	ABQ125C	ABQ140C	ABQ125C	ABQ100C	ABQ140C
Cooling capacity	Min./Nom./Max.		kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
Heating capacity	Min./Nom./Max.		kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.	kW	*						
	Heating	Nom.	kW	*						
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		-		B	-	
		Pdesign	kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
		SEER		4.65		-		4.65	-	
		Annual energy consumption	kWh	512	715	-		624	-	
	Heating (Average climate)	Energy label		A		-		A	-	
		Pdesign	kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
		SCOP		3.80		-		3.80	-	
		Annual energy consumption	kWh	2.082	2.498	-		3.500	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			*						
	COP			*						
	Annual energy consumption		kWh	*						
	Energy label	Cooling/Heating		*						
Dimensions	Unit	HeightxWidthxDepth	mm	285x1,007x600	*	378x1,388x541	378x1,588x541	378x1,388x541	*	378x1,588x541
Weight	Unit		kg	35	*	50.0	56.0	50.0	*	56.0
Fan - Air flow rate	Cooling	High/Nom./Low	m^3/min	*		-/-/-			*	-/-/-
	Heating	High/Nom./Low	m^3/min	*		-/-/-			*	-/-/-
Fan - External static pressure	Super high/High/Nom./Low		Pa	*						
Sound power level	Cooling		dBA	*						
	Heating		dBA	*						
Sound pressure level	Cooling	Super high/High/Nom./Low	dBA	*						
	Heating	High/Nom./Low	dBA	*						
Piping connections	Liquid	OD	mm	9.52						
	Gas	OD	mm	15.88						
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240						

Outdoor unit				AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit		kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.	m^3/min	52.0	76	77	83	76	77	83
	Heating	Nom.	m^3/min	48.0	83		62	83		62
Sound power level	Cooling		dBA	64	70	71	70		71	70
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.	dBA	50	57	58	54	57	58	54
	Night quiet mode	Level 1	dBA	-	49					
Operation range	Cooling	Ambient Min.~Max.	°CDB	-5~46						
	Heating	Ambient Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP			R-410A/1,975						
Piping connections	Piping length	OU - IU Max.	m	30	50					
		System Equivalent	m	40	70					
	Level difference	IU - OU Max.	m	15.0	30.0					
		IU - IU Max.	m	-	0.5					
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20	-					

(1) EER/COP according to Eurovent 2012, for use outside EU only

*Note: grey cells contain preliminary data

FAQ-C / RZQG-L8V1/L8Y1

FAQ100C

RZQG100L8V1/Y1

BRC1E52A/B (optional)

BRC7EB518 (optional)

SEASONAL EFFICIENCY
Smart use of energy

- Ideal solution for shops, restaurants or offices with **no or narrow false ceilings**
- Can be installed in both new and existing buildings
- Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- **5 different discharge angles** can be programmed via the remote control
- Maintenance operations can be performed from the front of the unit
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					**FAQ71C**	**FAQ100C**	**FAQ71C**	**FAQ100C**
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/6.8/-	-/9.5/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/7.5/-	-/10.8/-
Power input	Cooling	Nom.		kW	2.00	2.63	2.00	2.63
	Heating	Nom.		kW	2.03	3.00	2.03	3.00
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++			
		Pdesign		kW	6.80	9.50	6.80	9.50
		SEER			6.51	6.11	6.51	6.11
		Annual energy consumption		kWh	365	544	365	544
	Heating (Average climate)	Energy label			A+			
		Pdesign		kW	6.33	10.20	6.33	10.20
		SCOP			4.02	4.01	4.02	4.01
		Annual energy consumption		kWh	2,204	3,561	2,204	3,561
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.40	3.62	3.40	3.62
	COP				3.70	3.61	3.70	3.61
	Annual energy consumption			kWh	1,000	1,315	1,000	1,315
	Energy label	Cooling/Heating			A/A			
Casing	Colour				Fresh White			
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13	17	13	17
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	26/23/19	18/16/14	26/23/19
	Heating	High/Nom./Low		m^3/min	18/16/14	26/23/19	18/16/14	26/23/19
Sound power level	Cooling			dBA	61	65	61	65
	Heating			dBA	61	65	61	65
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41	45/42/40	49/45/41
	Heating	High/Nom./Low		dBA	45/42/40	49/45/41	45/42/40	49/45/41
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit					**RZQG71L8V1**	**RZQG100L8V1**	**RZQG71L8Y1**	**RZQG100L8Y1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	78	102	80	101
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70	59	70
	Heating	Nom.		m^3/min	49	62	49	62
Sound power level	Cooling			dBA	64	66	64	66
Sound pressure level	Cooling	Nom.		dBA	48	50	48	50
	Heating	Nom.		dBA	50	52	50	52
	Night quiet mode	Level 1		dBA	43	45	43	45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5			
Refrigerant	Type/GWP				R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m	50	75	50	75
		System	Equivalent	m	70	90	70	90
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	16	20

(1) EER/COP according to Eurovent 2012, for use outside EU only

FAQ-C / RZQSG-L(3/8)V1/L8Y1

Heating & Cooling

Seasonal Classic

Indoor unit					FAQ71C	FAQ100C	FAQ100C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	
Power input	Cooling	Nom.		kW	2.12	3.16	
	Heating	Nom.		kW	2.08	3.17	
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		
		Pdesign		kW	6.80	9.50	
		SEER			6.05	5.61	
		Annual energy consumption		kWh	393	592	
	Heating (Average climate)	Energy label			A	A+	
		Pdesign		kW	6.00	6.81	
		SCOP			3.90	4.01	
		Annual energy consumption		kWh	2,155	2,377	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.01	
	COP				3.61	3.41	
	Annual energy consumption			kWh	1,060	1,580	
	Energy label	Cooling/Heating			A/A	B/B	
Casing	Colour				Fresh White		
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13	17	
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	26/23/19	
	Heating	High/Nom./Low		m^3/min	18/16/14	26/23/19	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41	
	Heating	High/Nom./Low		dBA	45/42/40	49/45/41	
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG100L8Y1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	67	81	82
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	
	Heating	Nom.		m^3/min	48	83	
Sound power level	Cooling			dBA	65	69	
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	53/-
	Heating	Nom.		dBA	51	57	
	Night quiet mode	Level 1		dBA	-		49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	40	70	
	Level difference	IU - OU	Max.	m	30		
		IU - IU	Max.	m	0.5		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	20

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FHQ-C / RZQG-L8/7V1/L(8)Y1

FHQ100-140C

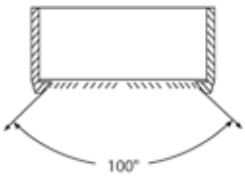
RZQG100-140L8/7V1/L(8)Y1

BRC1E52A/B (optional)

BRC7GA53 (optional)

SEASONAL EFFICIENCY
Smart use of energy

- Ideal solution for commercial spaces with **narrow or no false ceilings**
- The unit can easily be mounted in corners and narrow spaces, as it only needs **30mm lateral service space**
- **Low energy consumption** thanks to DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the **flaps close entirely when not in operation**
- Can be installed in both new and existing buildings
- **Wider air discharge** thanks to Coanda effect: up to 100°



- Air flow distribution for ceiling heights up to 3.8m without capacity loss
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ71C	FHQ100C	FHQ125C	FHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	1.78	2.49	3.58	4.05	1.78	2.49	3.58	4.05
	Heating	Nom.		kW	1.82	2.60	3.48	4.27	1.82	2.60	3.48	4.27
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	-	A++		A+	-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			6.95	6.11	6.01	-	6.95	6.11	6.01	-
		Annual energy consumption		kWh	342	544	698	-	342	544	698	-
	Heating (Average climate)	Energy label			A+	A++	A+	-	A+	A++	A+	-
		Pdesign		kW	7.60	11.30	14.13	-	7.60	11.30	14.13	-
		SCOP			4.32	4.61	4.23	-	4.32	4.61	4.23	-
		Annual energy consumption		kWh	2,462	3,431	4,676	-	2,462	3,431	4,676	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.82	3.81	3.35	3.31	3.82	3.81	3.35	3.31
	COP				4.13	4.15	3.89	3.63	4.13	4.15	3.89	3.63
	Annual energy consumption			kWh	890	1,245	1,790	2,025	890	1,245	1,790	2,025
	Energy label	Cooling/Heating			A/A							
Casing	Colour				Fresh White							
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit			kg	32	38			32	38		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	20.5/17/14	28/24/20	31/27/23	34/29/24
	Heating	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	20.5/17/14	28/24/20	31/27/23	34/29/24
Sound power level	Cooling			dBA	55	60	62	64	55	60	62	64
	Heating			dBA	55	60	62	64	55	60	62	64
Sound pressure level	Cooling	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit					RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FHQ-C / RZQSG-L(3/8)V1/L(8)Y1

Heating & Cooling

Seasonal Classic

Indoor unit					FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ100C	FHQ125C	FHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	1.97	2.96	4.15	4.45	2.96	4.15	4.45
	Heating	Nom.		kW	1.88	2.99	3.73	4.54	2.99	3.73	4.54
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+			-	A+		-
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			5.61			-	5.61		-
		Annual energy consumption		kWh	424	592	748	-	592	748	-
	Heating (Average climate)	Energy label			A		A+		A	A+	
		Pdesign		kW	7.60			-	7.60		-
		SCOP			3.90	3.91	4.01	-	3.91	4.01	-
		Annual energy consumption		kWh	2,727	2,721	2,653	-	2,721	2,653	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.46	3.21	2.89	3.01	3.21	2.89	3.01
	COP				4.00	3.61	3.62	3.41	3.61	3.62	3.41
	Annual energy consumption			kWh	985	1,480	2,075	2,225	1,480	2,075	2,225
	Energy label	Cooling/Heating			A/A		C/A	B/B	A/A	C/A	B/B
Casing	Colour				Fresh White						
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32	38					
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24
	Heating	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
	Heating			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220						

Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012, for use outside EU only

FHQ-C / RXS-L

FHQ60C

RXS-L

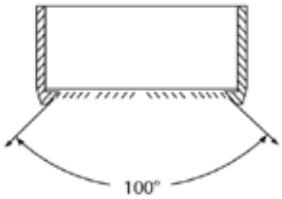
BRC1E52A/B (optional)

BRC7F530W (optional)

SEASONAL EFFICIENCY

Smart use of energy

- Ideal solution for commercial spaces with **narrow or no false ceilings**
- The unit can easily be mounted in corners and narrow spaces, as it only needs **30mm lateral service space**
- **Low energy consumption** thanks to DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the **flaps close entirely when not in operation**
- Can be installed in both new and existing buildings
- **Wider air discharge** thanks to Coanda effect: up to 100°



- Air flow distribution for ceiling heights up to 3.8m without capacity loss
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Indoor unit					**FHQ35C**	**FHQ50C**	**FHQ60C**
Cooling capacity	Min./Nom./Max.			kW	1.4/3.40/4.0	1.7/5.0/5.3	1.7/5.7/5.7
Heating capacity	Min./Nom./Max.			kW	1.3/4.00/5.1	1.7/6.0/6.0	1.7/7.20/7.2
Power input	Cooling	Min./Nom./Max.		kW	0.410/0.950/1.490	-/1.570/-	-/1.750/-
	Heating	Min./Nom./Max.		kW	0.270/0.980/1.980	-/1.790/-	-/2.170/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+	
		Pdesign		kW	3.40	5.00	5.70
		SEER			6.18	5.87	6.02
		Annual energy consumption		kWh	193	298	332
	Heating (Average climate)	Energy label			A+	A	
		Pdesign		kW	3.10	4.35	4.71
		SCOP			4.43	3.86	3.87
		Annual energy consumption		kWh	981	1,578	1,705
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.18	3.26
	COP				4.08	3.35	3.32
	Annual energy consumption			kWh	475	785	875
	Energy label	Cooling/Heating			A/A	B/C	A/C
Casing	Colour				Fresh White		
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690
Weight	Unit			kg	24	25	31
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	14/11.5/10	15/12/10	19.5/15/11.5
	Heating	High/Nom./Low		m^3/min	14/11.5/10	15/12/10	19.5/15/11.5
Sound power level	Cooling			dBA	53	54	
	Heating			dBA	53	54	
Sound pressure level	Cooling	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
	Heating	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
	Drain	OD		mm	VP20	-	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit					**RXS35L**	**RXS50L**	**RXS60L**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low		m^3/min	28.3/25.6	45.0/43.1	46.3/46
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	20	30	
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) EER/COP according to Eurovent 2012, for use outside EU only

AHQ-C / AZQS-BV1/BY1

Siesta, ceiling suspended unit

AHQ125CV1

AZQS140BV1/BY1

ARCWLA

- Ideal solution for **commercial spaces** with no or narrow false ceilings
- Can be installed in both new and existing buildings
- **Air filter** removes airborne dust particles to ensure a steady supply of clean air
- **Decrease of temperature variation** by automatic fan speed selection or freely selectable **3-step fan speed**.
- Easy installation and maintenance

Heating & Cooling

Indoor unit					AHQ71C	AHQ100C	AHQ125C	AHQ140C	AHQ100C	AHQ125C	AHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.1/-	-/13.0/-	-/9.5/-	-/12.1/-	-/13.0/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.24	3.62	4.60	4.32	3.62	4.60	4.32
	Heating	Nom.		kW	2.46	3.17	3.74	4.55	3.17	3.74	4.55
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B		-		B	-	
		Pdesign		kW	6.80	9.50	-		9.50	-	
		SEER			4.65	4.60	-		4.60	-	
		Annual energy consumption		kWh	511	723	-		723	-	
	Heating (Average climate)	Energy label			A		-		A	-	
		Pdesign		kW	6.33	7.60	-		7.60	-	
		SCOP			3.80		-		3.80	-	
		Annual energy consumption		kWh	2,332	2,800	-		2,800	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.03	2.62	2.63	3.01	2.62	2.63	3.01
	COP				3.05	3.41	3.61	3.41		3.61	3.41
	Annual energy consumption			kWh	1,120	1,810	2,300	2,159	1,810	2,300	2,159
	Energy label	Cooling/Heating			B/D	D/B	D/A	B/B	D/B	D/A	B/B
Casing	Colour				White						
Dimensions	Unit	HeightxWidthxDepth		mm	260x1,320x634	260x1,538x634	260x1,786x634	285x1,902x680	260x1,538x634	260x1,786x634	285x1,902x680
Weight	Unit			kg	38	45	54	70	45	54	70
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	23.8/21.3/18.9	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3
	Heating	High/Nom./Low		m^3/min	23.8/21.3/18.9	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3
Fan - External static pressure	High/Nom./Low			Pa	0/0/0						
Sound power level	Cooling			dBA	59	64	69	70	64	69	70
	Heating			dBA	62	64	69	70	64	69	70
Sound pressure level	Cooling	High/Nom./Low		dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46
	Heating	High/Nom./Low		dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.88						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit					AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52.0	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48.0	83		62	83		62
Sound power level	Cooling			dBA	65	70	71	70		71	70
Sound pressure level	Cooling	Nom./Silent operation		dBA	48/43	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	50	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-	49					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5	-15~15.5					
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15.0	30.0					
		IU - IU	Max.	m	-	0.5					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	-					

(1) EER/COP according to Eurovent 2012, for use outside EU only

FUQ-C / RZQG-L8V1/L8Y1

4-way blow ceiling suspended unit

FUQ-C

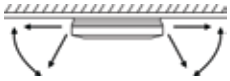
RZQG100-125L8V1/Y1

BRC1E52A/B (optional)

BRC7C58 (optional)

SEASONAL EFFICIENCY
Smart use of energy

- Ideal solution for commercial spaces with **no or narrow false ceilings**
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the **flaps close entirely when not in operation**
- Improved comfort thanks to automatic air flow adjustment to required load
- **Individual flap control:** possibility to adapt the room layout by fixing the positon of each flap individually (BRC1E52) in case you would refurbish or rearrange your interior
- Can be installed in both new and existing buildings
- Same outlook for all models (unified dimensions)
- Auto swing function ensures **efficient air and temperature distribution**
- Air can be discharged in **5 different angles** between 0 and 60°



- Possibility to shut 1 or 2 flaps for easy installation in corners

- Air flow distribution for ceiling heights up to 3.5m without capacity loss
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FUQ71C	FUQ100C	FUQ125C	FUQ71C	FUQ100C	FUQ125C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/6.8/-	-/9.5/-	-/12.0/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/7.5/-	-/10.8/-	-/13.5/-
Power input	Cooling	Nom.		kW	1.68	2.46	3.54	1.68	2.46	3.54
	Heating	Nom.		kW	1.84	2.73	3.95	1.84	2.73	3.95
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	A++		A+
		Pdesign		kW	6.80	9.50	12.00	6.80	9.50	12.00
		SEER			6.50	6.11	5.61	6.50	6.11	5.61
		Annual energy consumption		kWh	366	544	748	366	544	748
	Heating (Average climate)	Energy label			A+					
		Pdesign		kW	7.60	11.30	14.13	7.60	11.30	14.13
		SCOP			4.20	4.50	4.44	4.20	4.50	4.44
		Annual energy consumption		kWh	2,533	3,515	4,456	2,533	3,515	4,456
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.05	3.86	3.39	4.05	3.86	3.39
	COP				4.08	3.95	3.42	4.08	3.95	3.42
	Annual energy consumption			kWh	840	1,230	1,770	840	1,230	1,770
	Energy label	Cooling/Heating			A/A		A/B	A/A		A/B
Casing	Colour				Fresh White					
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25	26		25	26	
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
	Heating	High/Nom./Low		m^3/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
Sound power level	Cooling			dBA	59	64	65	59	64	65
	Heating			dBA	59	64	65	59	64	65
Sound pressure level	Cooling	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
	Heating	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
Piping connections	Liquid	OD		mm	9.52					
	Gas	OD		mm	15.9					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220					

Outdoor unit					AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52.0	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48.0	83		62	83		62
Sound power level	Cooling			dBA	65	70	71	70		71	70
Sound pressure level	Cooling	Nom./Silent operation		dBA	48/43	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	50	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-	49					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5	-15~15.5					
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15.0	30.0					
		IU - IU	Max.	m	-	0.5					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	-					

(1) EER/COP according to Eurovent 2012, for use outside EU only

FVQ-C / RZQG-L8/7V1/L(8)Y1

FVQ100-140C

RZQG100-140L8/7V1/L(8)Y1

BRC1E52A/B
(optional)

SEASONAL EFFICIENCY
Smart use of energy

- Ideal solution for shops, restaurants or offices with **no or narrow false ceilings**
- Can be installed in both new and existing buildings
- Very efficient for use in rooms with **high ceilings**
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of **better airflow distribution** from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit. Selectable horizontal out blow to better suit the layout of the room (via BRC1E52).
- Improved efficiency by adoption of the **DC fan motor**.
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.02	2.49	3.74	4.17	2.02	2.49	3.74	4.17
	Heating	Nom.		kW	2.06	2.61	3.65	4.30	2.06	2.61	3.65	4.30
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+		-	A++	A+		-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			6.31	5.61		-	6.31	5.61		-
		Annual energy consumption		kWh	377	592	748	-	377	592	748	-
	Heating (Average climate)	Energy label			A+		A	-	A+		A	-
		Pdesign		kW	6.33	11.30		-	6.33	11.30		-
		SCOP			4.05	4.20	3.87	-	4.05	4.20	3.87	-
		Annual energy consumption		kWh	2,188	3,766	4,087	-	2,188	3,766	4,087	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.37	3.81	3.21		3.37	3.81	3.21	
	COP				3.64	4.14	3.70	3.61	3.64	4.14	3.70	3.61
	Annual energy consumption			kWh	1,010	1,245	1,870	2,085	1,010	1,245	1,870	2,085
	Energy label	Cooling/Heating			A/A							
Casing	Colour				Fresh White							
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	39	47			39	47		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
	Heating	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
	Heating			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
	Heating	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit					RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012, for use outside EU only.

FVQ-C / RZQSG-L(3/8)V1/L(8)Y1

Heating & Cooling

Seasonal Classic

Indoor unit					FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ100C	FVQ125C	FVQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.		kW	2.12	2.96	4.27	4.45	2.96	4.27	4.45
	Heating	Nom.		kW	2.08	2.99	3.96	4.54	2.99	3.96	4.54
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A			-	A		-
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			5.50			-	5.50		-
		Annual energy consumption		kWh	433	604	763	-	604	763	-
	Heating (Average climate)	Energy label			A	A+	A	-	A+	A	-
		Pdesign		kW	6.33	7.60		-	7.60		-
		SCOP			3.86	4.01	3.85	-	4.01	3.85	-
		Annual energy consumption		kWh	2,296	2,653	2,763	-	2,653	2,763	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21		2.81	3.01	3.21	2.81	3.01
	COP				3.61		3.41		3.61	3.41	
	Annual energy consumption			kWh	1,060	1,480	2,135	2,225	1,480	2,135	2,225
	Energy label	Cooling/Heating			A/A		C/B	B/B	A/A	C/B	B/B
Casing	Colour				Fresh White						
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	39	47					
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
	Heating	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
	Heating			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
	Heating	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220						

Outdoor unit					RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012, for use outside EU only.

Twin/triple/double twin and multi application

The benefits of a twin/triple/double twin system

- **Air conditioning in long or irregularly shaped rooms**
  A twin/triple/double twin application allows up to 4 indoor untis to operate in L-shaped, U-shaped or long rooms powered by a single outdoor unit.
  All indoor units are controlled at the same time.
- **The widest choice**
  Different types of indoor units – wall mounted, concealed ceiling, cassettes etc – can be selected for twin/triple/double twin application
- **Ideal comfort in every part of the room**
  Delivery of optimal efficiency and comfort in each part of a long or irregularly shaped room.

Possible outdoor units

Seasonal Smart

RZQG71-140L8/7V1/L(8)Y1

Seasonal Classic

RZQSG71-140L(3/8)V1/L(8)Y1

Super Inverter

RZQ200-250C

The Benefits of a Multi system

- **Air conditioning in every room**
  A Multi system allows up to 9 indoor units to operate from a single outdoor unit, thereby reducing installation space and costs. All indoor units can be individually controlled and do not need to be installed at the same time - extra units (up to a maximum of 9) can be added later.
- **The widest choice**
  Different types of indoor units — wall mounted, concealed ceiling, floor standing etc - in different capacities can be mixed together in Multi system applications. Thus the ideal indoor unit can be selected for the bedroom, living room, office or wherever, according to the installation surface or personal requirements.
- **An ideal indoor climate**
  A single outdoor unit can heat up or cool down a complete house, office or small shop at different times. A pleasant climate can be enjoyed whilst working at the desk in the afternoon, as well as a constant temperature in the living room and cool bedrooms in the evening.

Possible outdoor units

Multi outdoor units:

2MXS
2 indoor units

3MXS
3 indoor units

4MXS
4 indoor units

5MXS
5 indoor units

VRVIII-S for residential application:

RXYSQ-P8V1
9 indoor units

RZQG-L8/7V1/L(8)Y1

- Seasonal efficiency, optimized for all seasons
- Seasonal smart series comply with the EU's 2014 Eco-Design requirements
- The perfect balance in efficiency and comfort thanks to **Variable Refrigerant Temperature:** top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days
- Suits **computer room applications** (EDP)
- **Re-use** of existing R-22 or R-407C technology
- Down to **-20°C** in heating mode
- Standard **night quiet mode**
- Maximum **piping length** up to 75m minimum piping length is 5m
- Compatibility with **D-BACS**

		FCQHG-F	FCQG-F				FFQ-C			FDXS-F (9)			FBQ-C8				FHQ-C				FAQ-C	FUQ-C
capacity class		71	35	50	60	71	35	50	60	35	50	60	35	50	60	71	35	50	60	71	71	71
RZQG71L8V1	RZQG71L8Y1		2				2			2			2				2					
RZQG100L8V1	RZQG100L8Y1		3	2			3	2		3	2		3	2			3	2				
RZQG125L8V1	RZQG125L8Y1		4	3	2		4	3	2	4	3	2	4	3	2		4	3	2			
RZQG140L7V1	RZQG140LY1	2	4	3		2	4	3		4	3		4	3		2	4	3		2	2	2

Heating & Cooling

Indoor unit					RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

RZQSG-L(3/8)V1/L(8)Y1

- Seasonal efficiency, optimized for all seasons
- **Re-use** of existing R-22 or R-407C technology
- Down to **-15°C** in heating mode
- Maximum **piping length** up to 50m
- Compatibility with **D-BACS**

		FCQHG-F	FCQG-F				FFQ-C			FDXS-F(9)			FBQ-C8				FHQ-C				FAQ-C
Capacity class		71	35	50	60	71	35	50	60	35	50	60	35	50	60	71	35	50	60	71	71
RZQSG71L3V1			2				2			2			2				2				
RZQSG100L8V1	**RZQSG100L8Y1**		3	2			3	2		3	2		3	2			3	2			
RZQSG125L8V1	**RZQSG125L8Y1**		4	3	2		4	3	2	4	3	2	4	3	2		4	3	2		
RZQSG140LV1	**RZQSG140LY1**	2	4	3		2	4	3		4	3		4	3		2	4	3		2	2

Seasonal Classic

Heating & Cooling

Outdoor unit					**RZQSG71L3V1**	**RZQSG100L8V1**	**RZQSG125L8V1**	**RZQSG140LV1**	**RZQSG100L8Y1**	**RZQSG125L8Y1**	**RZQSG140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling			dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	30						
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

- **Re-use** of existing R-22 or R-407C piping
- Down to **-15°C** in heating mode
- Standard **night quiet mode**
- Maximum **piping length** up to 100m
- Maximum **installation height difference** up to 30m

	FCQG-F					FFQ-C		FDXS-F(9)		FBQ-C8					FHQ-C					FUQ-C			FAQ-C		FDQ-C
Capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	71	100	125	71	100	125
RZQ200C	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2		3	2		3	2	
RZQ250C		4			2		4		4		4			4		2			2			2			2

Super Inverter

Heating & Cooling

Outdoor unit					**RZQ200C**	**RZQ250C**
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183	184
Fan - Air flow rate	Cooling	Nom.		m^3/min	171	
	Heating	Nom.		m^3/min	171	
Fan - External static pressure	Max.			Pa	78	
Sound power level	Cooling			dBA	78	
	Heating			dBA	78	
Sound pressure level	Nom.			dBA	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/1,975	
Piping connections	Piping length	OU - IU	Max.	m	100	
	Level difference	IU - OU	Max.	m	-	
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

- Wide range from 2 to 5 port units
- Possibility to connect **up to 5 indoor units**
- 3-port 40 multi outdoor unit gives an answer to lower capacity requirements of better insulated houses. The 15-class wall mounted allows efficient distribution of the lower capacity of the multi outdoor unit.
- All indoor units can be **individually controlled** and do not need to be installed in the same room or even at the same time
- Outdoor units are fitted with a **Daikin swing compressor** renowned for its low noise and high energy efficiency
- **Possibility to combine different types of indoor units**: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes

Heating & Cooling

Connectable indoor units	Wall mounted																Floor standing						Flexi type				Round flow cassette			Fully flat cassette				Concealed ceiling										Ceiling suspended		
	FTXG-L				CTXS-K		FTXS-K						FTXS-G		FTX-JV		FVXG-K			FVXS-F			FLXS-B(9)				FCQG-F			FFQ-C				FDXS-F(9)				FDBQ-B/FBQ-C8				FHQ-C			
	20	25	35	50	15	35	20	25	35	42	50	60	71	20	25	35	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60
2MXS40H	●	●	●		●	●	●	●	●					●	●	●	●	●	●	●	●		●	●										●	●										
2MXS50H	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●					●	●	●		●	●	●								
3MXS40K	●	●	●		●	●	●	●	●								●	●		●	●		●	●			●			●	●			●	●			●	●			●		
3MXS52E	●	●	●	●	●	●	●	●	●	●	●						●	●	●	●	●	●	●	●	●		●	●		●	●	●		●	●	●		●	●	●		●	●	●
3MXS68G	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXS68F	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXS80E	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXS90E	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Heating & Cooling

Outdoor unit					2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x936x300				770x900x320	
Weight	Unit			kg	38	42	49		58		72	73
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	36/33/30	37/34/34	45/45/41	45/45/45	52.7/49.4/43.5		54.5/46/46.0	57.1/54.5/46.0
	Heating	High/Nom./Low		m^3/min	32/32/32	34/34/34	45/-/41		46.4/44.5/16.3		46.0/-/14.7	52.5/-/14.7
Sound power level	Cooling			dBA	62	63	59		61		62	66
Sound pressure level	Cooling	Nom.		dBA	47	48	46		48			52
	Heating	Nom.		dBA	48	50	47		49			52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46		-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	20		25					
	Level difference	IU - OU	Max.	m	15							
		IU - IU	Max.	m	7.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		1~ / 50 / 230					
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20					

- **Energy efficient heating system** based on air source heat pump technology
- Low energy bills and low CO_2 emissions
- Possibility to **connect up to 9 indoor units**
- All indoor units can be **individually controlled** and do not need to be installed in the same room or even at the same time
- **Possibility to combine different types of indoor units**: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes
- Slim design for flexible installation
- **Easy installation** thanks to automatic refrigerant charging operation, automatic test operation
- Possibility to **limit peak power consumption between 30 and 80%**, for example during periods with high power demand

Heating & Cooling

Connectable indoor units	Wall mounted													Floor standing						Flexi type				Round flow cassette			Fully flat cassette				Concealed ceiling								Ceiling suspended		
	FTXG-L				CTXS-K		FTXS-K						FTXS-G	FVXG-K			FVXS-F			FLXS-B(9)				FCQG-F			FFQ-C				FDXS-F(9)				FDBQ-B /FBQ-C8				FHQ-C		
	20	25	35	50	15	35	20	25	35	42	50	60	71	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60
RXYSQ-P8V1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Heating & Cooling

Outdoor unit					RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	12.6	14.0	15.5
Heating capacity	Nom.			kW	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53
	Heating	Nom.		kW	3.12	3.86	4.57
EER					3.89	3.99	3.42
COP					4.55	4.15	3.94
Maximum number of connectable indoor units					8 (1) / 8 (2)	10 (1) / 9 (2)	12 (1) / 9 (2)
Indoor index connection	Min.				50	62.5	70
	Nom.				-		
	Max.				130	162.5	182
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
Fan	Air flow rate	Cooling	Nom.	m^3/min	106		
Sound power level	Cooling	Nom.		dBA	66	67	69
Sound pressure level	Cooling	Nom.		dBA	50	51	53
	Heating	Nom.		dBA	52	53	55
Operation range	Cooling	Min.~Max.		°CDB	-5~46		
	Heating	Min.~Max.		°CWB	-20~15.5		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9 (1) / 19.1 (2)		19.1
	Total piping length	System	Actual	m	300 (1) / 115 (2)	300 (1) / 135 (2)	300 (1) / 145 (2)
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	32.0		

(1) In case VRV indoor units are connected (2) In case RA indoors are connected

Branch provider			BPMKS967B2	BPMKS967B3
Connectable indoor units			1~2	1~3
Max. indoor unit connectable capacity			14.2	20.8
Max. connectable combination			71+71	60+71+71
Dimensions	Height x Width x Depth	mm	180x294x350	
Weight		kg	7	8

Ventilation

Biddle Air Curtain for ERQ 58

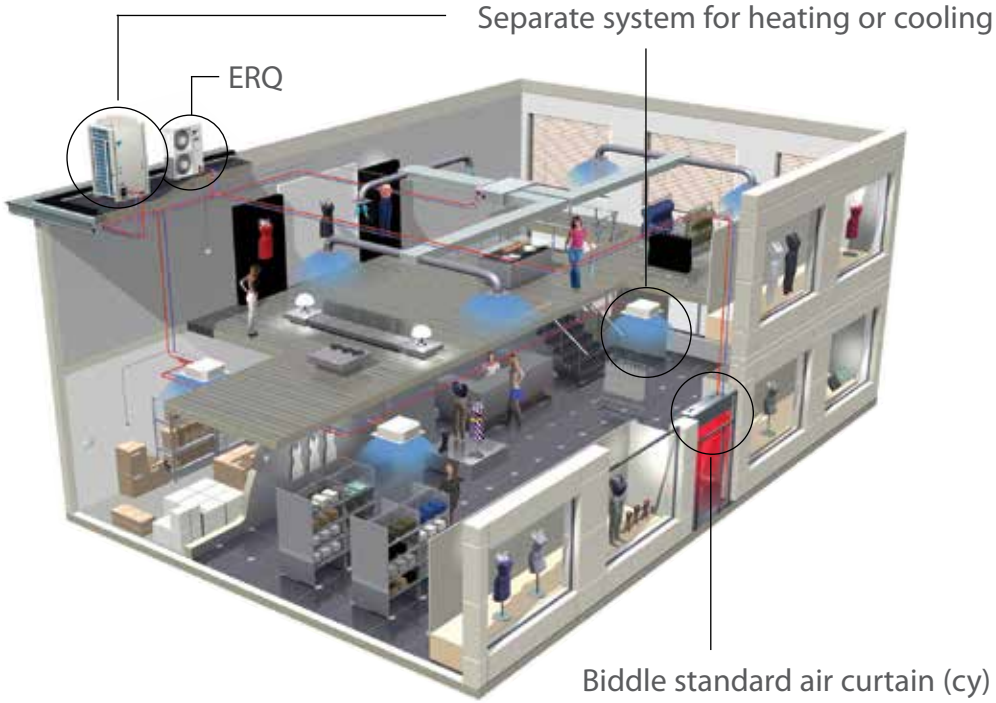
Heat Reclaim Ventilation 60

Air handling units 62

CYQS/M/L-DK-F/C/R

CYQM150DK80FSN

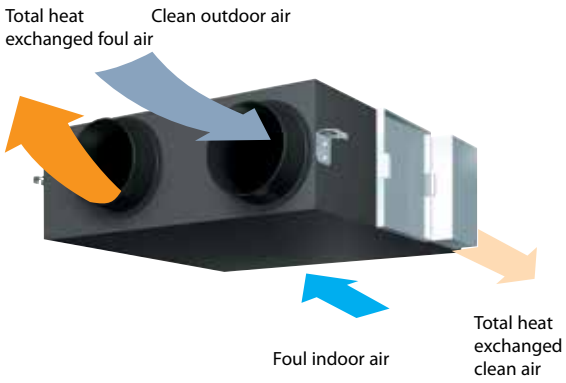
- Connectable to ERQ heat pump
- ERQ is among the first DX system suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water sytems, boilers and gas connections are required
- Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



BIDDLE STANDARD AIR CURTAIN FOR CONNECTION TO ERQ				Small			Medium			
				CYQS150DK80F *BN / *SN	CYQS200DK100F *BN / *SN	CYQS250DK140F *BN / *SN	CYQM100DK80F *BN / *SN	CYQM150DK80F *BN / *SN	CYQM200DK100F *BN / *SN	CYQM250DK140F *BN / *SN
Power input	Fan only	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Inlet= room temperature		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006			BN: RAL9010 / SN: RAL9006			
Dimensions	Height	Unit F/C/R	mm	270 / 270 / 270			270 / 270 / 270			
	Width	Unit F/C/R	mm	1,500 / 1,500 / 1,548	2,000 / 2,000 / 2,048	2,500 / 2,500 / 2,548	1,000 / 1,000 / 1,048	1,500 / 1,500 / 1,548	2,000 / 2,000 / 2,048	2,500 / 2,500 / 2,548
	Depth	Unit F/C/R	mm	290 / 821 / 561			290 / 821 / 561			
Required ceiling void >			mm	420			420			
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating		m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating		dBA	49	50	51	50	51	53	54
Refrigerant	Type			R-410A			R-410A			
Piping connections	Liquid (OD) / Gas			9.52 / 16.0		9.52 / 19.0	9.52 / 16.0			9.52 / 19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E52A/B or BRC1D52)			Daikin wired remote control (BRC1E52A/B or BRC1D52)			
Power supply	Voltage		V	230			230			

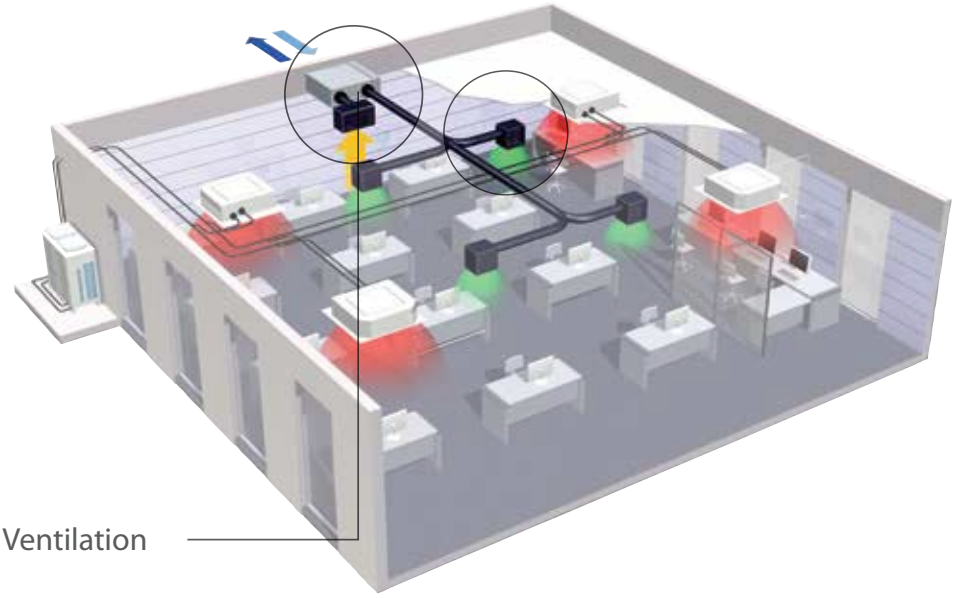
BIDDLE STANDARD AIR CURTAIN FOR CONNECTION TO ERQ				Large			
				CYQL100DK125F*BN / *SN	CYQL150DK200F*BN / *SN	CYQL200DK250F*BN / *SN	CYQL250DK250F*BN / *SN
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Inlet= room temperature		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Height	Unit F/C/R	mm	370 / 370 / 370			
	Width	Unit F/C/R	mm	1,000 / 1,000 / 1,048	1,500 / 1,500 / 1,548	2,000 / 2,000 / 2,048	2,500 / 2,500 / 2,548
	Depth	Unit F/C/R	mm	745 / 745 / 745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating		m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating		dBA	53	54	56	57
Refrigerant	Type			R-410A			
Piping connections	Liquid (OD) / Gas			9.52 / 16.0	9.52 / 16.0	9.52 / 22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E52A/B or BRC1D52)			
Power supply	Voltage		V	230			

F: Freehanging model, C: Cassette model, R: Recessed model
(1) Favourable condition | (2) Normal condition | (3) Unfavourable condition



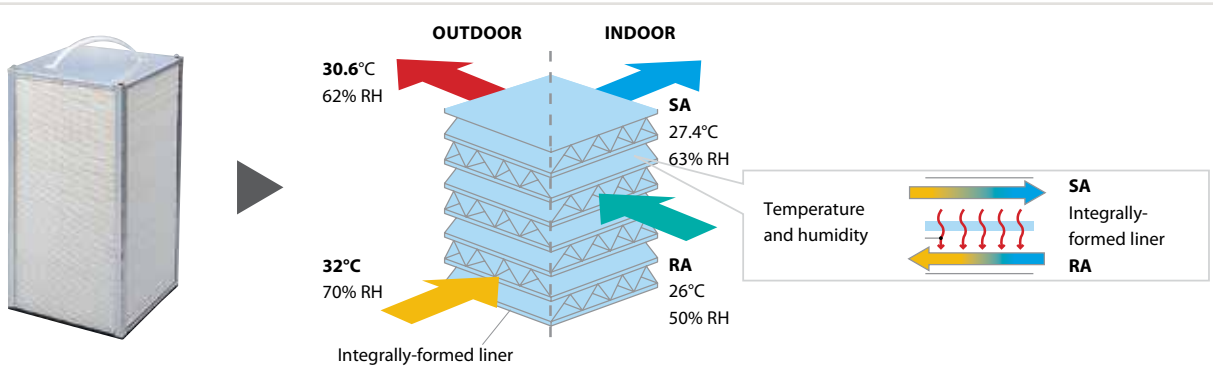
The Daikin heat reclaim ventilation system modulates the temperature and humidity of incoming fresh air to match indoor conditions. A balance is thus achieved between indoor and outdoor ambients, enabling the cooling or heating load placed on the air conditioning system to be reduced significantly. HRV units can be controlled individually or integral with the air conditioning system (Daikin VRV or Sky Air series).

- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Free cooling when outdoor temperature is below indoor temperature (eg. during night time)
- Low energy consumption thanks to DC fan motor on 350 to 2000 units
- Prevent energy losses from over-ventilation while maintaining indoor air quality with optional CO_2 sensor
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Optional medium and fine dust filters M6, F7, F8 grades to meet customer request or legislation
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installations
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM and electrical heater



High Efficiency Paper

RH: Relative Humidity SA: Supply Air (to room) RA: Return Air (from room)



Ventilation					VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB	VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.116	0.141	0.132	0.178	0.196	0.373	0.375	0.828	0.852
	Bypass mode	Nom.	Ultra high	kW	0.116	0.141	0.132	0.178	0.196	0.373	0.375	0.828	0.852
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	74/74/79	72/72/77	75/75/80	74/74/77		74/74/76	75/75/76.5	75/75/78	
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	58/58/64	58/58/62	61/61/67	58/58/63		60/60/62	61/61/63	61/61/64	61/61/66
	Heating	Ultra high/High/Low		%	64/64/69	64/64/68	65/65/70	62/62/67	63/63/66	65/65/67	66/66/68		66/66/70
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Casing	Material				Galvanised steel plate								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x828x816		364x1,004x868		364x1,004x1,156	726x1,512x868	726x1,512x1,156
Weight	Unit			kg	24		33		52	55	64	131	152
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
	Bypass mode	Ultra high		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
Fan-External static pressure - 50Hz	Ultra high			Pa	69	64	98		93	137	157	137	
Sound pressure level - 50Hz	Heat exchange mode	Ultra high		dBA	27 / 28.5	28 / 29	32	33	34.5	36		39.5	40
	Bypass mode	Ultra high		dBA	27 / 28.5	28 / 29	32	33.5	34.5	36		40.5	40
Operation range	Min.			°CDB	-15								
	Max.			°CDB	50								
	Relative humidity			%	80% or less								
Connection duct diameter				mm	100	150		200		250		350	
Air filter	Type				Multidirectional fibrous fleeces								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current	Maximum fuse amps (MFA)			A	15		16						

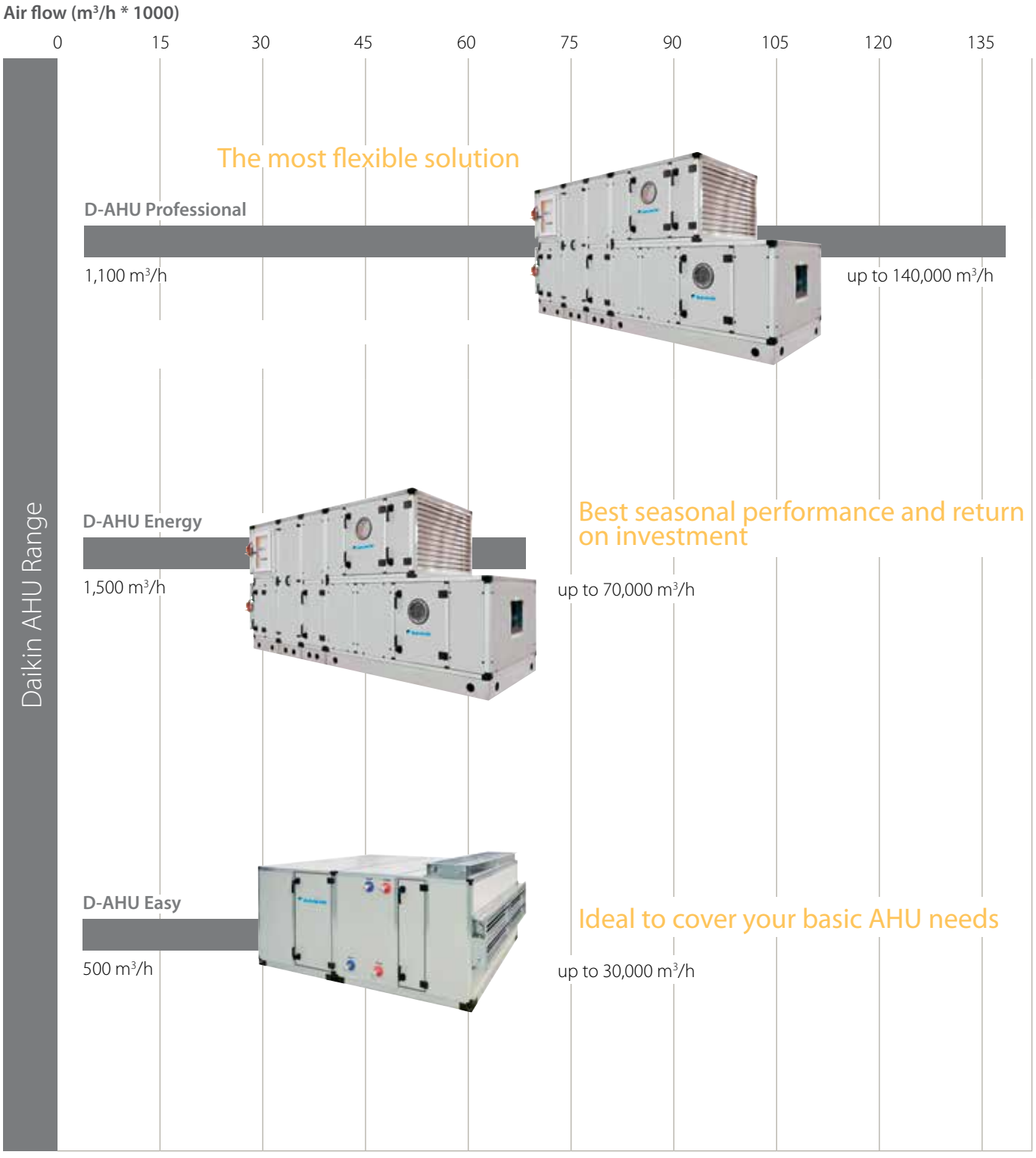
Total solution for fresh air with Daikin supply of both VAM and electrical heaters

- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic
- BMS integration thanks to:
  - Volt free relay for error indication
  - 0-10VDC input for setpoint control
- Capacities ranging from 1 to 2.5 kW

VH Electrical heater for VAM

Wide range of air flows

In situations where the Daikin commercial range of ventilation units cannot satisfy the ventilation requirement due to building constraints (large atriums, banquet halls, etc) air handling units represent the ideal solution. Daikin's wide range of air handling systems handle air flow rates from 500 m^3/h up to 140,000 m^3/h. The air handler unit can be adapted to deliver whatever air flow you require, via the specific dimensions of flow section available at the installation.



Daikin fresh air package - plug & play

The D-AHU Professional and Energy series provide a complete solution including unit control (EKEXV, EKEQ, DDC controller) factory mounted and configured, plug & play with our ERQ and VRV condensing units.
The easiest solution as you save time and only have one point of contact!

Return on investment

The air handling unit (AHU) is critical to an effective climate control system and, although the initial investment can appear high, the savings generated by our advanced designs and operating efficiencies guarantee a rapid return on the investment made. Our AHU Energy series has been designed to deliver exceptional performance thus driving down the energy consumed and so lowering energy bills. Taken over the expected 15-year life-span of the equipment, this will result in a substantial saving, especially in a time of ever increasing energy prices.

Pre-defined sizes

27 fixed sizes are available, optimized to reach the best compromise between competitiveness and manufacturing standardisation. However, Daikin's section by section design means that units can be sized by 1cm increments and assembled on site, without welding, to suit the space constraints of the installation.

High efficiency components

All Daikin air handlers have been designed for optimum energy efficiency. Polyurethane or Mineral wool panels guarantee excellent thermal insulation performance. Filters are provided with a large choice of efficiency filtration class.

ASTRA is the powerful software that Daikin has developed to offer a quick and comprehensive service for the customer in order to make the technical choice and the economic valorization of each AHU. It is a complete tool that can configure any type of product and respond exactly to the strictest design needs. The result is a comprehensive economic offer including all the technical data and drawings, the psychrometric diagram with the relative air treatment and the fans' performance curves.

The ASTRA software features a specific DX heat pump coil section able to calculate cooling and heating performances with the automatic selection of the appropriate Daikin expansion valve.

Why use ERQ for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency with COPs up to 4.56 in heating[1].

1 ERQ100AV1 heat pump

High Comfort Levels

Daikin ERQ units respond rapidly to fluctuations in the supply air temperature, resulting in a steady indoor temperature, together with the dehumidification this results in high comfort levels for the end user.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc are required. This also reduces the total system cost.

Flexible control options

In order to maximize installation flexibility, 3 types of control systems are offered.

Control x:

Control of air temperature (discharge temperature, suction temperature, room temperature) via external device (DDC controller)

Control y:

Control of evaporating temperature via Daikin control (no DDC controller needed)

Control z:

Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)

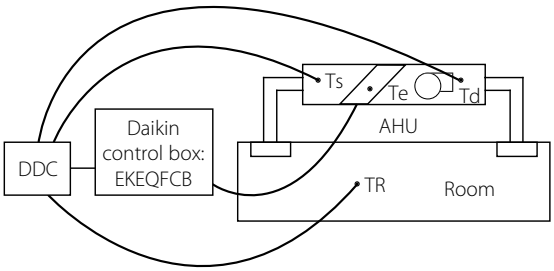
Flexible control possibilities for air handling applications

In order to maximise installation flexibility, 3 types of control systems are offered:

Possibility X (Td/Tr control):

Air temperature control via DDC controller

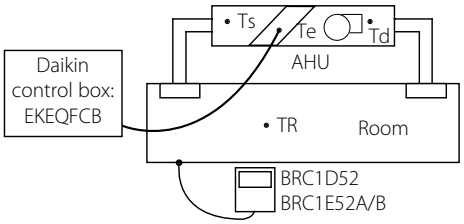
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



Possibility Y (Te/Tc control):

By fixed evaporating temperature

A fixed target evaporating temperature of between 3°C and 8°C can be set by the customer. In this case, room temperature is only indirectly controlled. The cooling load is determined from the actual evaporating temperature (i.e. load to the heat exchanger). A Daikin wired remote controller (BRC1D52 or BRC1E52A/B - optional) can be connected for error indication.

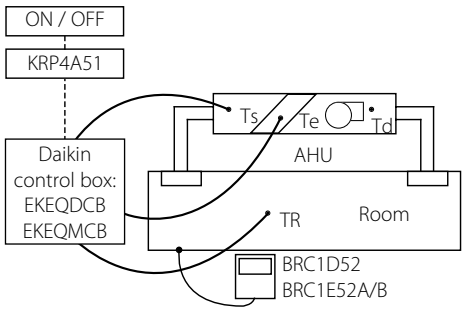


Possibility Z (TS/Tr control):

Using Daikin wired remote controller (BRC1D52 or BRC1E52A/B - optional)

Set point can be fixed via standard Daikin wired remote controller. Remote ON/OFF can be achieved by an optional adapter KRP4A51.

No external DDC controller should be connected. The cooling load is determined from the air suction temperature and set point on the Daikin controller.



Ts = Air suction temperature
Td = Air discharge temperature
Tr = Room temperature
Te = Evaporating temperature
AHU = Air Handling Unit
DDC = Digital Display Controller

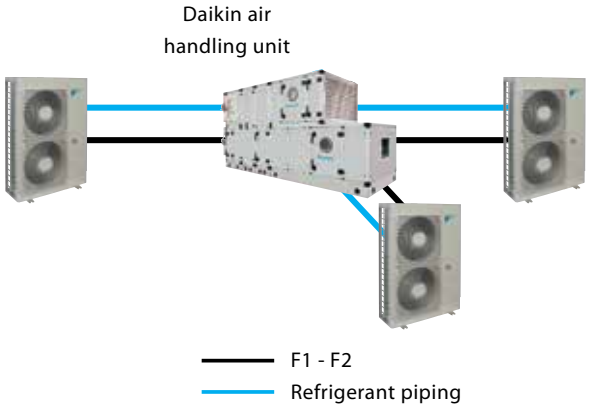
	OPTION KIT	FEATURES
Possibility x	EKEQFCB	DDC controller is required Temperature control using air suction or air discharge temperature
Possibility y		Using fixed evaporating temperature, no set point can be set using remote controller
Possibility z	EKEQDCB EKFQMCB*	Using Daikin wired remote controller BRC1D52 or BRC1E52A/B Temperature control using air suction temperature

* EKEQMCB (for 'multi' application)

A range of R-410A inverter condensing units for pair application with air handling units.

- Inverter controlled units
- Large capacity range (from 100 to 250 class)
- Heat pump
- R-410A
- Wide range of expansion valve kits available
- Up to 4 ERQ units can be connected to an interlaced coil in one air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.



VENTILATION					ERQ100AV1	ERQ125AV1	ERQ140AV1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	11.2	14.0	15.5
Heating capacity	Nom.			kW	12.5	16.0	18.0
Power input	Cooling	Nom.		kW	2.81	3.51	4.53
	Heating	Nom.		kW	2.74	3.86	4.57
EER					3.99		3.42
COP					4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
Fan-Air flow rate	Cooling	Nom.		m^3/min	106		
	Heating	Nom.		m^3/min	102	105	
Sound power level	Cooling	Nom.		dBA	66	67	69
Sound pressure level	Cooling	Nom.		dBA	50	51	53
	Heating	Nom.		dBA	52	53	55
Operation range	Cooling	Min./Max.		°CDB	-5/46		
	Heating	Min./Max.		°CWB	-20/15.5		
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		19.1
	Drain	OD		mm	26x3		
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)			A	32.0		

VENTILATION					ERQ125AW1	ERQ200AW1	ERQ250AW1
Capacity range				HP	5	8	10
Cooling capacity	Nom.			kW	14.0	22.4	28.0
Heating capacity	Nom.			kW	16.0	25.0	31.5
Power input	Cooling	Nom.		kW	3.52	5.22	7.42
	Heating	Nom.		kW	4.00	5.56	7.70
EER					3.98	4.29	3.77
COP					4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,680x930x765	
Weight	Unit			kg	159	187	240
Fan-Air flow rate	Cooling	Nom.		m^3/min	95	171	185
	Heating	Nom.		m^3/min	95	171	185
Sound power level	Nom.			dBA	72	78	
Sound pressure level	Nom.			dBA	54	57	58
Operation range	Cooling	Min./Max.		°CDB	-5/43		
	Heating	Min./Max.		°CWB	-20/15		
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)			A	16	25	

Overview of expansion valves and control boxes

Daikin also offers a range of expansion valve kits and control boxes to connect ERQ to third party air handling units.

ERQ combination table

OUTDOOR UNIT		EXPANSION VALVE KIT						
		CLASS 63	CLASS 80	CLASS 100	CLASS 125	CLASS 140	CLASS 200	CLASS 250
		EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
1~	ERQ100AV1	P	P	P	P	-	-	-
	ERQ125AV1	P	P	P	P	P	-	-
	ERQ140AV1	-	P	P	P	P	-	-
3 ~	ERQ125AW1	P	P	P	P	P	-	-
	ERQ200AW1	-	-	P	P	P	P	P
	ERQ250AW1	-	-	-	P	P	P	P

P: Pair: Combination depending on air handling units coils volume.

EKEXV - Expansion valve kit for air handling applications

VENTILATION					EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
Dimensions	Unit	HeightxWidthxDepth		mm	401x215x78							
Weight	Unit			kg	2.9							
Sound pressure level	Nom.			dBA	45							
Operation range	On coil temperature	Heating	Min.	°CDB	10 (1)							
		Cooling	Max.	°CDB	35 (2)							
Refrigerant	Type				R-410A							
Piping connections	Liquid	OD		mm	6.35	9.52						
	Gas	OD		mm	6.35	9.52						

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

VENTILATION				EKEQFCB	EKEQDCB
Application				Pair	
Outdoor unit				ERQ	
Dimensions	Unit	HeightxWidthxDepth	mm	132x400x200	
Weight	Unit		kg	3.9	3.6
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	

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BRC1D52

BRC944B2

ARC466A1

BRC4*/BRC7*

BRC2C51

BRC3A61

BRC944B2*/BRC1D52
Wired remote control

- Schedule timer:
  - Five day actions can be set as follows:
    - set point: unit is switched ON and normal operation is maintained
    - OFF: unit is switched OFF[1]
    - limits: unit is switched ON and min./max. control (cf. limit operation for more details)
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level.
  This function can also switch the unit ON/OFF
- User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- Constantly monitoring of the system for malfunctions in a total of 80 components
- Immediate display of fault location and condition
- Reduction of maintenance time and costs

Display

- Operating mode[1]
- Heat Recovery Ventilation (HRV) in operation
- Cool / heat changeover control
- Centralised control indication
- Group control indication
- Set temperature[1]
- Air flow direction[1]
- Programmed time
- Inspection test / operation
- Fan speed[1]
- Clean air filter
- Defrost / hot start
- Malfunction

[1] Only functions marked with '1' are available on BRC944B2

ARC4*/BRC4*/BRC7*
Infrared remote control

Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXS, FBQ
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

BRC3A61
Simplified built-in remote control for hotel applications

Compact, user friendly unit, ideal for use in hotel bedrooms

Operation buttons: ON/OFF, fan speed control, temperature setting

Display: Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction

BRC2C51
Simplified remote control

Simple, compact and easy to operate unit, suitable for use in hotel bedrooms

Operation buttons: ON/OFF, operating mode selection, fan speed control, temperature setting

Display: Cool/heat changeover control, Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation

NEW

Simplified wired remote control developed for hotel applications

- Symbol driven interface for intuitive control
- Functions restricted to basic customer needs
- Contemporary design
- Energy saving thanks to set point limitation
- Flat backpanel for easy installation
- 2 versions available:
  - Heat pump type: temperature, fan speed, ON/OFF
  - Heat recovery type: temperature, mode, fan speed, ON/OFF
- Replaces existing BRC2C51 & BRC3A61
- Available spring 2014

Save energy

A series of energy saving functions that can be individually selected

- Temperature range limit
- Setback function
- Presence & floor sensor connection (available on new round flow cassette)
- kWh indication
- Set temperature auto reset
- Off timer

Temperature range limit avoids excessive heating or cooling

Save energy by constraining the lower temperature limit in cooling and upper temperature limit in heating mode.

note : Also available in auto cooling/heating change over mode.

kWh indication keeps track of your consumption

The kWh indication shows an indicative electricity consumption of the last day/ month/year.

Other functions

- Up to 3 independent schedules can be set, so the user can easily change the schedule himself throughout the year (e.g. Summer, winter, mid-season)
- Possibility to individually restrict menu functions
  Easy to use: all main functions directly accessible
- Easy setup: clear graphical user interface for advanced menu settings
- Real time clock with auto update to daylight saving time
- Built-in backup power: when a power failure occurs all settings remain stored up to 48 hours
- Supports multiple languages
  - English, German, Dutch, Spanish, Italian, Portuguese, French, Greek, Russian, Turkish, Polish (BRC1E52A)
  - English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian (BRC1E52B)

Graphical display of indicative electricity consumption (function available in combination with FCQG and FCQHG)

Overview controllers for Siesta Sky Air

Siesta Sky Air indoor units	Controllers
ACQ-C 4-way blow, ceiling mounted cassette	- Standard infrared remote control (ARCWLA) in box of decoration panel ADP125A - Optional wired remote control ARCWLA - Optional group controller R04084124324
AHQ-C ceiling suspended	- Standard infrared remote control in box of indoor unit ARCWLA - Optional wired remote control ARCWB - Optional group controller R04084124324
ABQ-C concealed ceiling	- Standard wired remote control (ARCWB) in box of indoor unit - Optional group controller R04084124324

Overview of features

	Feature		**ARCWB**
			Option for AHQ-C and ACQ-C Standard for ABQ-C
1	ON/OFF switch		Standard
2	Temperature setting	Default range 16-30°C	Standard
		Optional range 20-30°C	By dipswitch selection
		Switch between °C and °F	Standard
3	Room temperature sensor on remote control		Standard
4	Cool / Fan dry / Heat / Auto		Standard
5	Sleep mode		Standard
6	Fan Speed selection		Standard
7	Delay timer		1, 2 & 4 hours delay
8	7-days programmable timer		Standard
9	Real time clock display		Standard
10	Air swing selection	ON/OFF swing mode	Standard
		Change swing option (draft/soil prevention or standard)	Standard
11	LCD display without backlight		Standard
12	Key lock		Standard
13	Error code indication		Standard
14	IR receiver to enable compatibility with infrared remote control (disabled when lock function is activated)		Standard
15	Last state memory from indoor PCB		Standard
16	Silent mode		By dipswitch selection
17	Turbo mode		By dipswitch selection
18	Compressor test model (compressor force ON)		Standard
19	Daikin inverter error code		Standard
20	UART communication port (for Daikin protocol)		Standard
21	Backup battery		Standard

Specifications

Dimensions (length x width x height) ARCWB: 0.15 m x 0.21 m x 0.04 m.
ARCWB comes standard with a 10 meter wire, which can be extended to maximum wire length of 15 meter.
ARCWB can only control **one indoor unit** at a time; group control is only possible when using option R04084124324.

Integration of RA, Sky Air, VRV and AHU in BMS or home automation systems

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
  - Modbus
  - Voltage (0-10V)
  - Resistance
› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on runningcosts via
  - pre/post and trade mode
  - set point limitation
  - overall shut down
  - PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

Overview functions

Main functions			**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
Dimensions	H x W x D	mm	80 x 80 x 37,5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
nbr units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M

M : Modbus / R : Resistance / V : Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

Centralised control systems

DCS302C51

DCS301B51

DST301B51

Centralised control of the Sky Air and VRV system can be achieved via 3 user friendly compact controls: centralised remote control, unified on/off control and schedule timer. These controls may be used independently or in combination where 1 group = several (up to 16) indoor units in combination and 1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).
The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51
Centralised remote control

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- air flow direction and air flow rate of HRV can be controlled
- expanded timer function

DCS301B51
Unified ON/OFF control

Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DST301B51
Schedule timer

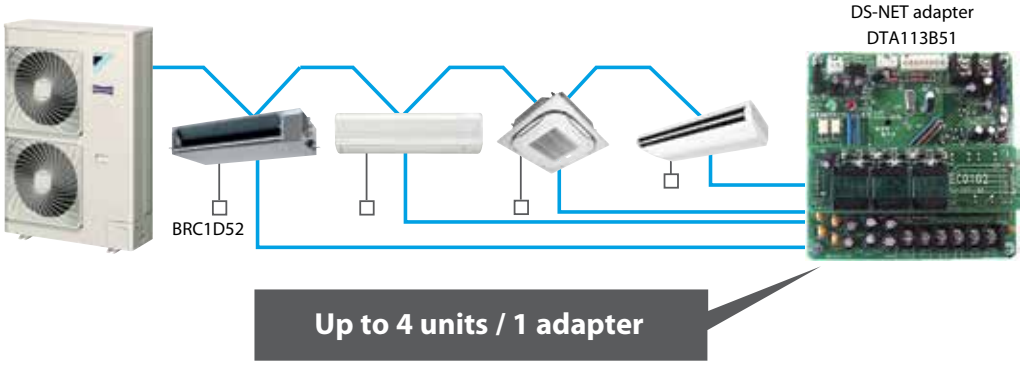
Enabling 64 groups to be programmed.

- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

DTA113B51

Basic solution for control of Sky Air and VRV

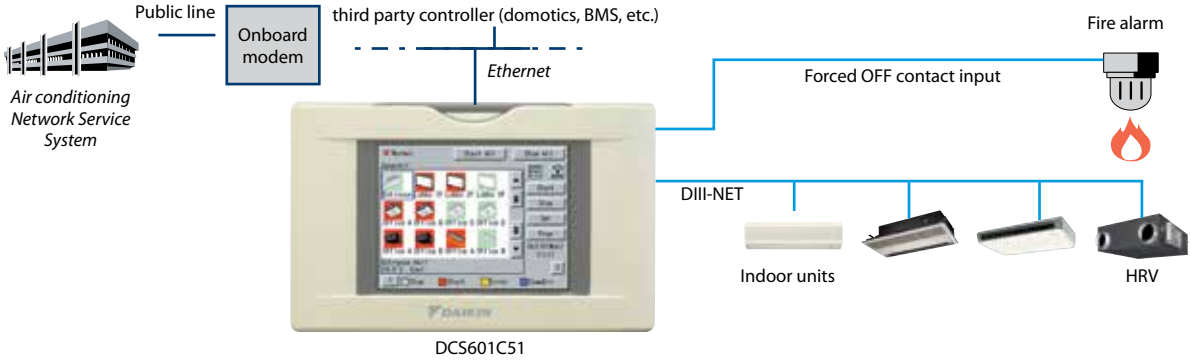
- Rotation function
- Backup operation function.



DCS601C51

touch intelligent Controller

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups)



Languages

- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout

- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Management

- Easy management of electricity consumption
- Enhanced history function

Control

- Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- Set back shedule
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

Monitoring

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement
- Multi PC

Cost performance

- Free cooling function
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface

- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option)

Connectable to

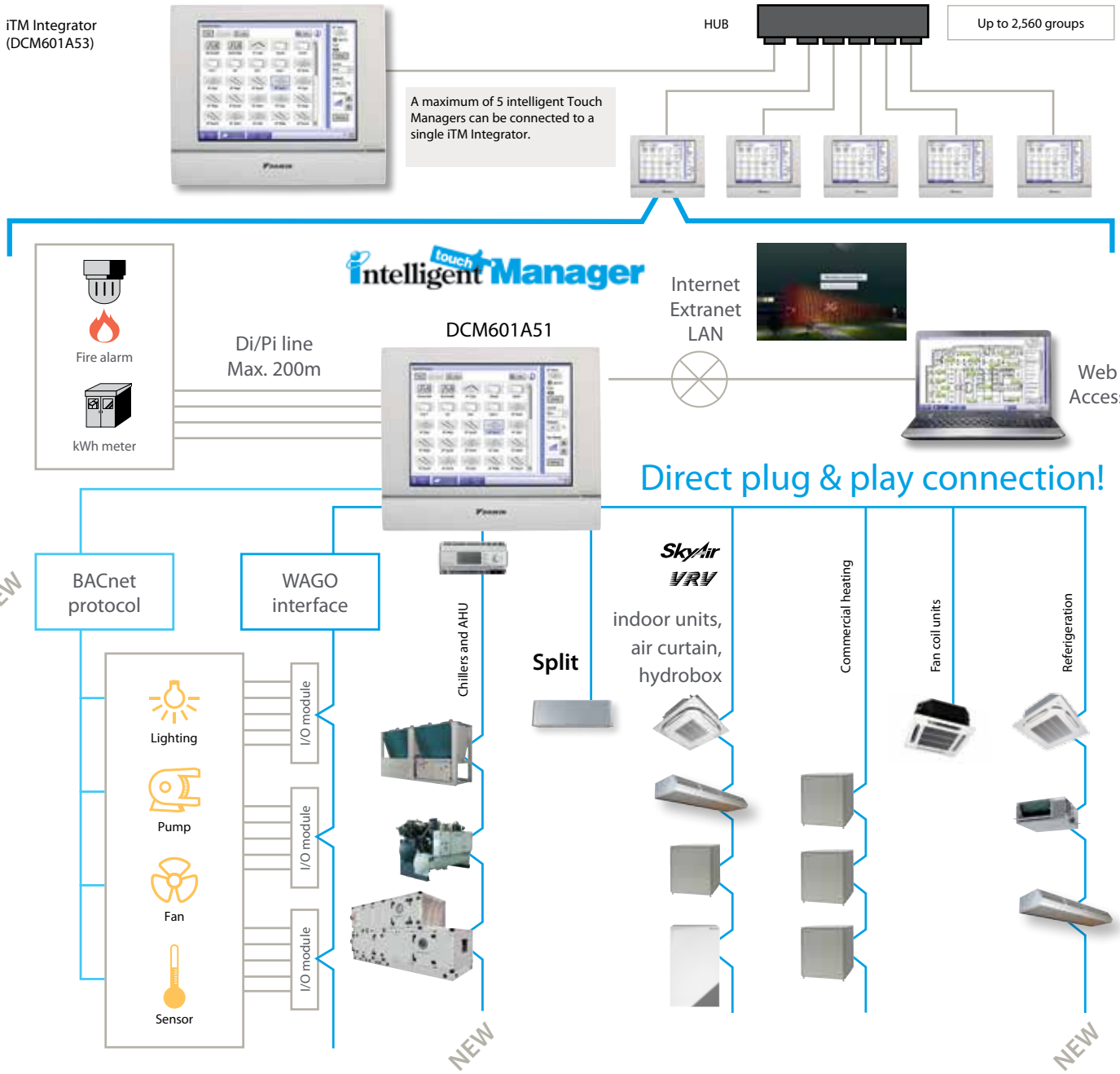
- VRV
- HRV
- Sky Air
- Split (via interface adapter)

touch intelligent Manager

Mini BMS with full integration across all product pillars

- ✓ Price competitive mini BMS
- ✓ Cross-pillar integration of Daikin products
- ✓ Integration of third party equipment

System overview



User friendliness

- Intuitive user interface
- Visual lay out view and direct access to indoor unit main funtions
- All functions direct accessible via touch screen or via web interface

Smart energy management

- Monitoring if energy use is according to plan
- Helps to detect origins of energy waste
- Powerful schedules guarantee correct operation throughout the year
- Save energy by interlocking A/C operation with other equiment such as heating

Flexibility

- Cross-pillar integration (heating, air conditioning, applied systems, refrigeration)
- BACnet protocol for 3rd party products integration
- I/O for integration of equipment such as lights, pumps… on WAGO modules
- Modular concept for small to large applications
- Control up to 2,560 indoor unit groups

Easy servicing and commissioning

- Remote refrigerant containment check preventing on site visit
- Simplified troubleshooting
- Save time on commissioning thanks to the pre-commissioning tool
- Auto registration of indoor units

Functions overview

DCM601A51

Languages

- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout

- Up to 2,560 unit groups can be controlled (ITM plus Integrator + 7 iPU (incl. iTM adaptor)
- Ethernet TCPIP

Management

- Web access
- Power Proportional Distribution (option)
- Operational history (malfunctions, operation hours, …)
- Smart energy management
- - monitor if energy use is according to plan
- - detect origins of energy waste
- Setback function
- Sliding temperature

Control

- Individual control (2,560 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit

WAGO Interface

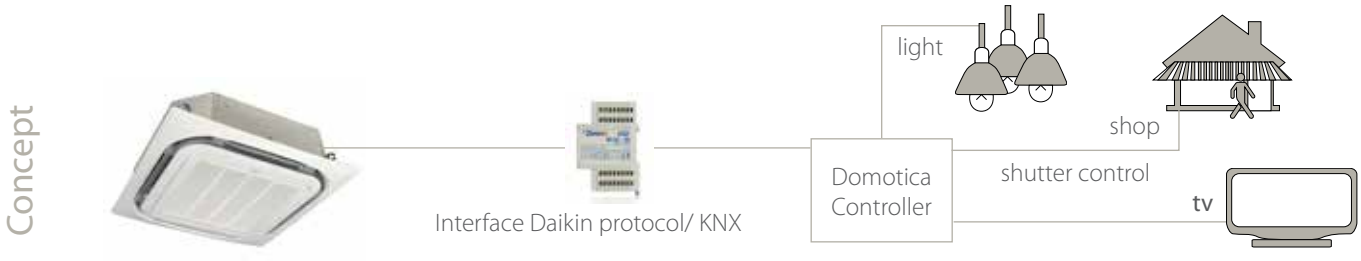
- Modular integration of 3rd party equipment
  - WAGO coupler (interface between WAGO and Modbus)
  - Di module
  - Do module
  - Ai module
  - Thermistor module

Connectable to

- DX Split, Sky Air, VRV
- Chillers (via POL638.70 controller)
- Daikin AHU
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Air curtains
- WAGO I/O
- BACnet protocol

Integration of Sky Air and VRV in HA/BMS systems

Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scenario' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

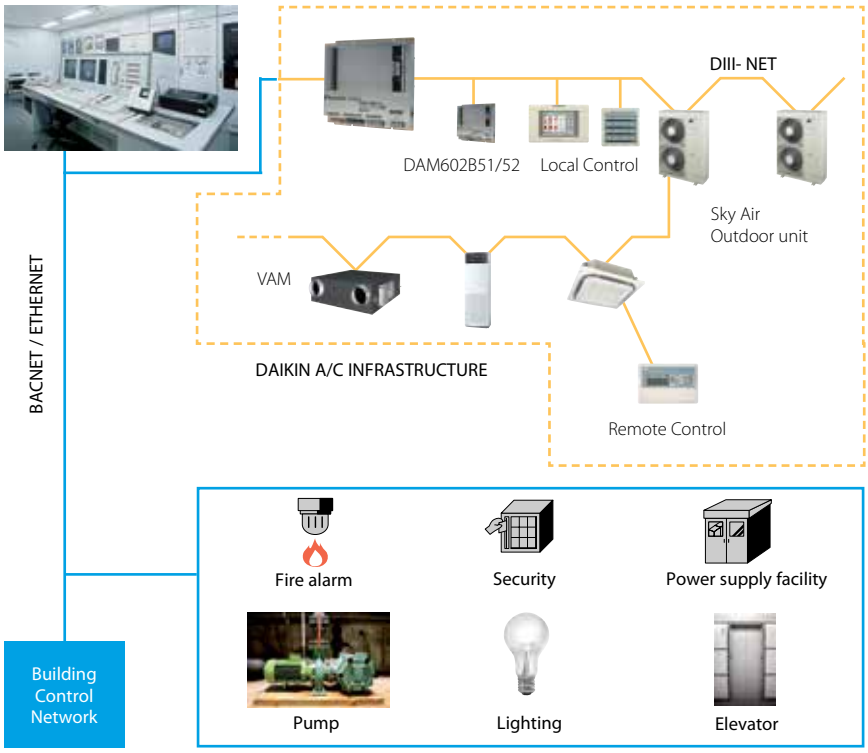
KLIC-DI Size 45x45x15mm

	Sky Air	VRV
BASIC CONTROL		
ON/OFF	✓	✓
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	✓	✓
Fan speed levels	2 or 3	2 or 3
Swing	Stop or movement	Swing or fixed positions (5)
ADVANCED FUNCTIONALITIES		
Error management	Communication errors,	
Scenes	✓	✓
Auto switch off	✓	✓
Temperature limitation	✓	✓
Initial configuration	✓	✓
Master and slave configuration	✓	✓

BACnet Interface

Integrated control system for seamless connection between VRV and BMS systems

- PPDdata is available on BMS system
- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- 256 units connectable per BACnet gateway
- Unlimited sitesize
- Easy and fast installation

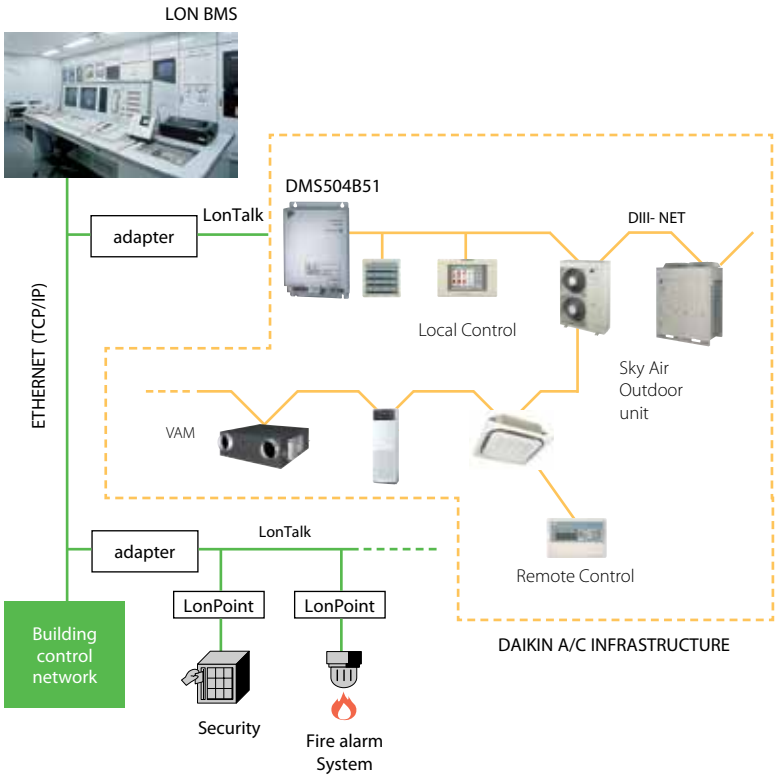


Standard protocol interfaces

LonWorks Interface

Open integration of VRV monitoring and control functions into LonWorks networks

- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- 64 units connectable per DMS-IF
- Unlimited sitesize
- Quick and easy installation



Flexible and easy installation

- Accurate temperature measurement thanks to flexible placement of the sensor
- No need for wiring
- No need to drill holes
- Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FBQ-C8 example)

Specifications

			WIRELESS ROOM TEMPERATURE SENSOR KIT (K.RSS)	
			WIRELESS ROOM TEMPERATURE RECEIVER	WIRELESS ROOM TEMPERATURE SENSOR
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

- Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

KRCS01-1B
KRCS01-4B

Wired room temperature sensor

- Accurate temperature measurement, thanks to flexible placement of the sensor

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

Daikin's adapter PCB's provide simple solutions for unique requirements. They are a low cost option to satisfy simple control requirements and can be used on single or multiple units.

	(E)KRP1B* adapter for wiring	› Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper › Powered by and installed at the indoor unit
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	› Remotely start and stop up to 16 indoor units (1 group) (KRP2A* via P1 P2) › Remotely start and stop up to 128 indoor units (64 groups) (KRP4A* via F1 F2) › Alarm indication/ fire shut down › Remote temperature setpoint adjustment

Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

Ventilation, condensing units & AHU application

ERQ	ERQ100-125AV1	ERQ140AV1	ERQ125AW1	ERQ200-250AW1
Central drain pan			KWC26B160	KWC26B280
Central drain plug	KKPJ5F180	KKPJ5F180	-	
Cool/heat selector	KRC19-26A6			
Fixing box	KJB111A			

Notes

(1) Filter chamber has a suction-type flange. (Main unit does not). Some options may not be usable due to the equipment installations conditions. Please conrfirm prior to ordering. Some options may not be used in combination. Operating sound may increase somewhat depending on the options used.

		VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB	VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB
Dust filters	EN779 Medium M6	-	-	EKAFV50F6	EKAFV50F6	EKAFV80F6	EKAFV80F6	EKAFV100F6	EKAFV100F6 x2	EKAFV100F6 x2
	EN779 Fine F7	-	-	EKAFV50F7	EKAFV50F7	EKAFV80F7	EKAFV80F7	EKAFV100F7	EKAFV100F7 x2	EKAFV100F7 x2
	EN779 Fine F8	-	-	EKAFV50F8	EKAFV50F8	EKAFV80F8	EKAFV80F8	EKAFV100F8	EKAFV100F8 x2	EKAFV100F8 x2
Silencer	Model name	-	-	-	KDDM24B50	KDDM24B100	KDDM24B100	KDDM24B100	KDDM24B100 x2	KDDM24B100 x2
	Nominal pipe Diameter (mm)	-	-	-	200	200	250	250	250	250
CO_2 sensor		-	-	BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200
VH electrical heater for VAM		VH1B	VH2B	VH2B	VH3B	VH3B	VH4B / VH4/AB	VH4B / VH4/AB	VH5B	VH5B

INDIVIDUAL CONTROL SYSTEMS	VAM-FA/FB	EKEQFCB [2]	EKEQDCB [2]	EKEQMCB [2]
Wired remote control	BRC1D52	BRC1D52	BRC1D52 [1]	BRC1D52 [1]
VAM wired remote control	BRC301B61	-	-	-

CENTRALISED CONTROL SYSTEMS	VAM-FA/FB	EKEQFCB [2]	EKEQDCB [2]	EKEQMCB [2]
Centralised remote control	DCS302C51	-	-	-
Unified ON/OFF control	DCS301B51	-	-	-
Schedule timer	DST301B51	-	-	-

OTHERS	VAM150-250FA	VAM350-2000FB	EKEQFCB [2]	EKEQDCB [2]	EKEQMCB [2]
Wiring adaptor for electrical appendices (note 6)	KRP2A51 (3)	KRP2A51(3)	KRP2A61	-	KRP4A51
Adaptor PCB for humidifier	KRP50-2 (3)	BRP4A50A (4/5)	-	-	-
Adaptor PCB for 3rd party heater	BRP4A50	BRP4A50A (4/5)	-	-	-
Remote sensor	-	-	-	-	KRCS01-1

Notes

(1) Cool/heat selector required for operation

(2) Do not connect the system to DIII-net devices (Intelligent controller, Intelligent Manager, LonWorks interface, BACnet interface…).

(3) Installation box KRP50-2A90 needed for VAM150-250FA.

(4) Fixing plate EKMPVAM additionally needed for VAM1500-2000FB.

(5) 3rd party heater and 3rd party humidifier cannot be combined

(6) For external control and monitoring (ON/OFF control, operation signal, error indication)

(7) Only use ERQ, EKEQ, EKEXV in combination with an air handling unit. Do not connect this system to other indoor units.

	VH ELECTRICAL HEATER FOR VAM
Supply voltage	220/250V ac 50/60 Hz. +/-10%
Output current (maximum)	19A at 40°C (ambient)
Temperature sensor	5k ohms at 25°C (table 502 1T)
Temperature control range	0 to 40°C / (0-10V 0-100%)
Run on timer	Adjustable from 1 to 2 minutes (factory set at 1.5 minutes)
Control fuse	20 X5 mm 250 m A
LED indicators	Power ON - Yellow Heater ON - Red (solid or flashing, indicating pulsed control) Airflow fault - Red
Mounting holes	98mm X 181mm centres 5 mm ø holes
Maximum ambient adjacent to terminal box	35°C (during operation)
Auto high temp. cutout	100°C Pre-set
Man. reset high temp. cutout	125°C Pre-set
Run relay	1A 120V AC or 1A 24V DC
BMS setpoint input	0-10VDC

VH ELECTRICAL HEATER FOR VAM		VH1B	VH2B	VH3B	VH4B	VH4/AB	VH5B
Capacity	kW	1	1	1	1.5	2.5	2.5
Duct diameter	mm	100	150	200	250	250	350
Connectable VAM		VAM150FA	VAM250FA	VAM500FB	VAM800FB	VAM800FB	VAM1500FB
		–	VAM350FB	VAM650FB	VAM1000FB	VAM1000FB	VAM2000FB

OUTDOOR UNITS	2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Air direction adjustment grille	KPW945A4							

	RXYSQ
External control adaptor for outdoor unit Allows to activate Low Noise Operation and three levels of Demand Limiting via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit.	DTA104A53/61/62
	For installation into an indoor unit: exact adaptor type depends on type of indoor unit
	See options & accessories of indoor units
KRC19-26A6 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	✓
KJB111A Installation box for remote cool/heat selector KRC19-26	✓
BPMKS967B2B/B3B Branch provider (for connection of 2/3 RA indoor units)	✓
KKPJ5F180 Central drain plug	✓

Options & accessories - Sky Air

INDOOR UNITS - CONTROL SYSTEMS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Wired remote control	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)						
Infrared remote control + decoration panel	-				-						
I-touch controller	DCS601C51				DCS601C51						
Infrared remote control (heat pump)	BRC7FA532F (5)				BRC7FA532F (5)						
Simplified remote control	-				-						
Remote control for hotel use	BRC3A61				BRC3A61						
Centralised remote control	DCS302C51				DCS302C51						
Unified ON/OFF control	DCS301B51				DCS301B51						
Schedule timer	DST301B51				DST301B51						
Adapter for wiring (interlock for fresh air intake fan)	-				-						
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP1B57/KRP4A53 (1)(5)				KRP1B57/KRP4A53 (1)(5)						
Interface adapter for Sky Air	-				-						
Installation box for adapter PCB	KRP1H98 (5)				KRP1H98 (5)						
Remote sensor	KRCS01-4				KRCS01-4						
Remote ON/OFF, forced OFF	EKRORO2				-						
Electrical box with earth terminal (3 blocks)	KJB311A				KJB311A						
Electrical box with earth terminal (2 blocks)	KJB212A				KJB212A						
Adapter for wiring (hour meter)	EKRP1C11 (1)(5)				EKRP1C11 (1)(5)						
Options PCB for external electrical heater, humidifier and/or hour meter	-				-						
Option PCB for group control (NIM03)	-				-						

Notes
(1) Installation box for adapter PCB is necessary
(2) Interface adapter for Sky Air series (DTA112B51) is necessary
(3) Including following languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Purtuguese, Polish
(4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
(5) Option not available in combination with BYCQ140*G
(6) Installation box for adapter PCB (KRP1B101) is necessary
(7) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
(8) Sensing function is not available
(9) Independently controllable flaps function is not available

INDOOR UNITS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Replacement long-life filter	KAFP551K160				KAFP551K160						
Drain pump kit	standard				standard						
Sealing member of air discharge outlet	KDBHQ55B140 (4)				KDBHQ55B140 (4)						
Decoration panel	BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)				BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)						
Decoration panel + infrared remote control	-				-						
Kit for mounting of decoration panel direct onto unit	-				-						
Fresh air intake kit (direct installation type)	KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)				KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)						
Air discharge adapter for round duct	-				-						
Panel spacer	-				-						
Sensor kit	BRYQ140A (5)				BRYQ140A (5)						

Notes
(1) The BYCQ140DW has white insulations. Be informed that dirt is more visible on white insulation and that it is consequently not advised to install the BYCQ140DW decoration panel in environments exposed to concentrations of dirt.
(2) To be able to control the BYCQ140DG, the controller BRC1E* is needed
(3) The BYCQ140DG is only compatible with Sky Air RZQ(G), RZQS(G); All VRV outdoors; Split RKS, RXS
(4) Option not available in combination with BYCQ140DG
(5) Sensor kit can only be operated with BRC1E52A/B
(6) BYFQ60B2 = basic , BYFQ60CW = White , BYFQ60CS = Grey
(7) BRYQ60AW = White, BRYQ60AS = Grey
(8) Both parts of the fresh air intake kit are needed for each unit.

ACQ71B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A
ARCWB			BRC1D52 / BRC1E52A (3) - BRC1E52B (4)(9)				BRC1D52 / BRC1E52A (3) BRC1E52B (4)	BRC1D52 / BRC1E52A (3) BRC1E52B (4)							-		
ADP125A			-				-	-							-		
-			DCS601C51				-	DCS601C51 (2)							-		
-			BRC7EB530/BRC7F530W/BRC7F530S (8-9)				-	BRC4C65							-		
-			-				-	-							-		
-			-				-	BRC3A61							-		
-			DCS302B51				-	DCS302C51							-		
-			DCS301B51				-	DCS301B51							-		
-			DST301B51				-	DST301B51							-		
-			-				-	KRP1B54							-		
-			KRP1B57/KRP4A53(6)				-	KRP4A51/KRP2A51							-		
-			-				-	DTA112B51							-		
-			KRP1B101/ KRP1BA101				-	-							-		
-			KRCS01-4				-	KRCS01-1							-		
-			-				-	EKRORO3							-		
-			-				-	-							-		
-			-				-	-							-		
-			EKRP1B2				EKRP1B2	-							-		
-			-				-	EKRP1B2A (7)							-		
R04084124324			-				-	-							R04084124324		

ACQ71B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A
-			KAFQ441BA60				-	-							-		
standard			standard				-	standard							-		
-			BDBHQ44C60				-	-							-		
-			BYFQ60B3/BYFQ60CW/BYFQ60CS (6)				-	BYBS45D		BYBS71D		BYBS125D			-		
ADP125A			-				-	-							-		
-			-				-	BYBS45D		BYBS71D		BYBS125D			-		
-			KDDQ44XA60				-	-							-		
-			-				-	KDAJ25K56A		KDAJ25K71A		KDAJ25K140A			-		
-			KDBQ44B60				-	-							-		
-			BRYQ60AW/BRYQ60AS (7)				-	-							-		

Options & accessories - Sky Air

INDOOR UNITS - CONTROL SYSTEMS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60C	FHQ71C
Wired remote control	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)		BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			
I-touch controller	DCS601C51	-		DCS601C51		-			
Infrared remote control (heat pump)	BRC4C65	-		BRC7EB518		BRC7G53			
Simplified remote control	-			BRC2C51		-			
Remote control for hotel use	-			BRC3A61		-			
Centralised remote control	DCS302C51			DCS302C51		DCS302C51			
Unified ON/OFF control	DCS301B51			DCS301B51		DCS301B51			
Schedule timer	DST301B51			DST301B51		DST301B51			
Adapter for wiring (interlock for fresh air intake fan)	KRP1C64	KRP1B54		-		-			
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP4A51			KRP4A51 (1)		KRP1B54 / KRP4A52(1)			
Interface adapter for Sky Air (2)	-	DTA112B51		-		-			
Installation box for adapter PCB	-			KRP4A93		KRP1D93A			
Remote sensor	KRCS01-4B	-		KRCS01-1		KRCS01-4B			
Remote ON/OFF, forced OFF	EKRORO3	EKRORO		-		EKRORO4			
Electrical box with earth terminal (3 blocks)	-			KJB311A		KJB311A			
Electrical box with earth terminal (2 blocks)	-			KJB212A		KJB212A			
Options PCB for external electrical heater, humidifier and/or hour meter	EKRP1B2	EKRP1B2		-		-			
Mounting plate for adapter PCB	KRP4A96	-		-		-			
Option PCB for group control (NIM03)	-			-		-			

Notes
(1) Installation box for adapter PCB is necessary
(2) Interface adapter for Sky Air series (DTA112B51) is necessary
(3) Including following languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Purtuguese, Polish
(4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
(5) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
(6) With the infrared remote control, the individual flap control and automatic air volume control cannot be controlled.

INDOOR UNITS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60C	FHQ71C
Replacement long-life filter	-			-		KAFP501A56		KAFP501A80	
Drain pump kit	standard	-		K-KDU572EVE		KDU50P60			
L-type piping kit (upward direction)	-			-		KHFP5M35	KHFP5N63		
Sealing member of air discharge outlet	-			-		-			
Decoration panel for air discharge	-			-		-			
Decoration panel	BYBS125D(1)			-		-			
Decoration panel option	EKBYBSD			-		-			
Noise filter	-			KEK26-1A		-			
Air discharge adapter for round duct	KDAJ25K140A			-		-			
Fresh air intake kit (direct installation type)	-			-		KDDQ50A140			

Notes
(1) Decoration panel option EKBYBSD is required for direct mounting of the decoration panel of the unit.

OUTDOOR UNITS		RZQG71L8V1/Y1	RZQG100L8V1/Y1	RZQG125L8V1/Y1	RZQG140LV1/Y1	RZQSG71L3V1
Air direction adjustment grille		-				
Central drain plug		-				
Refrigerant branch piping	For twin	KHRQ22M20TA (KHRQ58T) [2]			-	
	For triple	-	KHRQ127H (KHRQ58T) [2]		-	
	For double twin	-		KHRQ22M20TA (KHRQ58T)[2]		-
Demand adapter kit		KRP58M51				
Bottom plate heater		EKBPH140L7 [1]				

Notes
(1) Bottom plate heater is only available for RZQG* models
(2) For combination of RZQ(S)G71-140 in combination with FCQG35-71F or FCQHG71F use the refrigerant branch piping mentioned between brackets.
(3) For RZQG71L8V1 and EKBPH140L7 it is required to use the demand adapter kit KRP58M51 in order to connect the bottom plate heater.

FHQ100C	FHQ125C	FHQ140C	AHQ71C	AHQ100C	AHQ125C	AHQ140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
			ARCWB				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			
			-				-			DCS301C51			
			-				BRC7C58 (6)			-			
			-				-			BRC2C51			
			-				-			BRC3A61			
			-				DCS302C51			DCS302C51			
			-				DCS301B51			DCS301B51			
			-				DST301B51			DST301B51			
			-				-			-			
			-				KRP4A53 (1)			KRP1B57 / KRP4A52			
			-				-			-			
			-				KRP1B97			KRP4AA95			
			-				KRCS01-4			-			
			-				EKRORO5			-			
			-				KJB311A			-			
			-				KJB212A			-			
			-				-			-			
			-				-			-			
			R04084124324				-			-			

FHQ100C	FHQ125C	AHQ71C	AHQ100C	AHQ125C	AHQ140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
KAFP501A160		-				KAFP551K160			KAFJ95L160			
KDU50P140		-				standard			-			
KHFP5N160		-				-			-			
		-				KDBHP49B140			-			
		-				KDBTP49B140			-			
		-				-			-			
		-				-			-			
		-				-			-			
		-				-			-			
		-				-			-			

RZQSG100L8V1/Y1	RZQSG125L8V1/Y1	RZQSG140LV1/Y1	AZQS71BV1/BY1	AZQS125BV1/BY1	AZQS140BV1/BY1	RZQ200C	RZQ250C
-			-			-	
-			-			KWC26B280	
KHRQ22M20TA (KHRQ58T) [2]			-			KHRQ22M20TA	
KHRQ127H (KHRQ58T)[2]			-			KHRQ250H7	
	KHRQ22M20TA (KHRQ58T)[2]		-			KHRQ22M20TA (x3)	
KRP58M51			KRP58M51			KRP58M51	
-			-				

	UATYQ-C
Rooftop controller	√
PCB	√
EXV	√
Gold Fin (NA549)	√
Scroll compressor	√
Saranet Air Filter	√
Side flow	√
Convertible	√
Filter drier	√
High pressure switch	√
Low pressure switch	√
Economiser	ECONO-AY1

No options available for UATYP-AY1(B)
No options available for ECONO-AY1

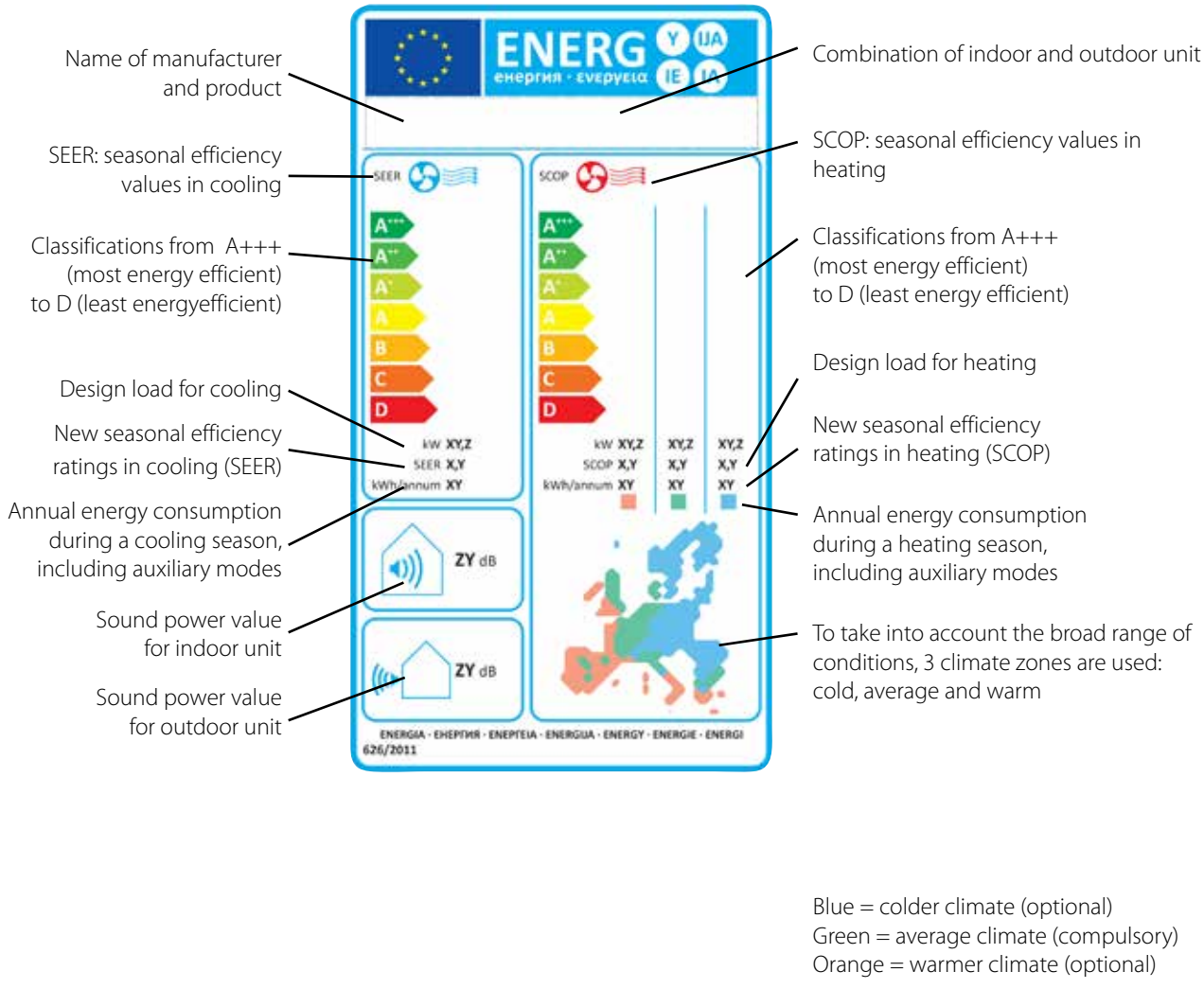
Europe's New Energy Label

Labelling encourage intelligent choices

To enable consumers to compare and make purchasing decisions based on uniform labelling criteria, Europe has introduced energy labels. The previous European energy label for air conditioners, introduced in 1992, has had its effect. In 2013 Europe has introduced a Seasonal energy label. This label allows end-users to make even better informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.

The energy label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the label includes not only the seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels.

The label more in detail


Name of manufacturer and product
SEER: seasonal efficiency values in cooling
Classifications from A+++ (most energy efficient) to D (least energyefficient)
Design load for cooling
New seasonal efficiency ratings in cooling (SEER)
Annual energy consumption during a cooling season, including auxiliary modes
Sound power value for indoor unit
Sound power value for outdoor unit
Combination of indoor and outdoor unit
SCOP: seasonal efficiency values in heating
Classifications from A+++ (most energy efficient) to D (least energy efficient)
Design load for heating
New seasonal efficiency ratings in heating (SCOP)
Annual energy consumption during a heating season, including auxiliary modes
To take into account the broad range of conditions, 3 climate zones are used: cold, average and warm
ENERG
SEER
SCOP
A+++
A++
A+
A
B
C
D
kW XY,Z
SEER X,Y
kWh/annum XY
ZY dB
ZY dB
626/2011

Blue = colder climate (optional)
Green = average climate (compulsory)
Orange = warmer climate (optional)

Power supply

V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
W1 = 3N~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Measuring conditions

Air conditioning

1) nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m
Level difference	0m
2) nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m
Level difference	0m

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).
The sound power level is an absolute value indicating the "power" which a sound source generates.
For more detailed information please consult our technical databooks.

Notes

Design & Genius in one

"Leading edge design in tune with time"

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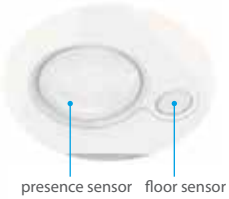
FCQG-F / RXS-L

FCQG35-60F



BRYQ140A

RXS-L

BRC1E52A/B (optional)

BRC7F532F (optional)

ROUND FLOW

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- **360° air discharge** ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers

UNIQUE!

- Daikin introduces first **auto cleaning cassette** to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.

- The **presence sensor** (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- **Individual flap control**: possibility to adapt the room layout by fixing the positon of each flap individually
- Fresh air intake: up to 20 %
- **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling

Indoor unit					**FCQG35F**	**FCQG50F**	**FCQG60F**
Cooling capacity	Min./Nom./Max.			kW	1.3/3.4/4.0	1.7/5.0/5.3	1.7/5.7/5.7
Heating capacity	Min./Nom./Max.			kW	1.3/4.20/5.2	1.7/6.00/6.0	1.7/7.0/7.0
Power input	Cooling	Min./Nom./Max.		kW	0.400/0.950/1.100	-/1.410/-	-/1.640/-
	Heating	Min./Nom./Max.		kW	0.230/1.200/1.840	-/1.620/-	-/1.990/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		
		Pdesign		kW	3.50	5.00	5.70
		SEER			6.35	6.48	6.22
		Annual energy consumption		kWh	193	270	321
	Heating (Average climate)	Energy label			A++		A+
		Pdesign		kW	3.32	4.36	4.71
		SCOP			4.90	4.29	4.00
		Annual energy consumption		kWh	949	1,426	1,646
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.55	3.48
	COP				3.50	3.7	3.52
	Annual energy consumption			kWh	475	705	820
	Energy label	Cooling/Heating			A/B	A/A	A/B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1		
	Colour				Pure White (RAL 9010)/		
	Dimensions	HeightxWidthxDepth		mm	60x950x950/950x60x950/145x950x950		
	Weight			kg	5.4/5.4/10.3		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Heating	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	High/Nom./Low		dBA	31/29/27		33/31/28
	Heating	High/Nom./Low		dBA	31/29/27		33/31/28
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.70	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					**RXS35L**	**RXS50L**	**RXS60L**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low		m^3/min	28.3/25.6	45.0/43.1	46.3/46
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	20	30	
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.